ORDER NO. MD0603072C2

Service Manual

AV Control Receiver

*DOLBY DIGITAL PRO LOGIC II

**DIGITAL dts SURROUND

SA-HE40E / SA-HE40EG

Colour

(S).....Silver Type

(K).....Black Type

SPECIFICATIONS

Specification

■ **AMPLIFIER SECTION**

RMS output power: Dolby Digital Mode

T.H.D. 10% (Each channel driven)

1 kHz front CH

150 W per channel (6 Ω)

1 kHz surround CH

80 W per channel (4 Ω)

1 kHz center CH

80 W per channel (4 Ω)

Total RMS output power **540 W**

RMS output power: STEREO Mode

T.H.D. 10%

1 kHz front CH

150 W per channel (6 Ω)

Total harmonic distortion

Half power at 1 kHz (Front CH) **0.5% (6 Ω)**

Input sensitivity

TV, DVR/DVD-P, GAME/AUX **450 mV, IHF'66**

MUSIC PORT **250 mV, IHF'66**

S/N at rated power (6 Ω)

TV, DVR/DVD-P, GAME/AUX, MUSIC PORT	
	75 dB (85 dB, IHF'66)
Input impedance	
TV, DVR/DVD-P, GAME/AUX, MUSIC PORT	
	47 kΩ
Tone controls	
BASS	50 Hz, +10 to -10 dB
TREBLE	20 kHz, +10 to -10 dB
Load impedance	
Front (L/R)	6 Ω to 8 Ω
Surround (L/R)	4 Ω to 8 Ω
Center	4 Ω to 8 Ω
Digital input	
OPTICAL	2
COAXIAL	1
■ FM TUNER SECTION	
Frequency range	
	87.50 MHz to 108.00 MHz
Sensitivity	
S/N 30 dB	1.9 µV/75 Ω
S/N 26 dB	1.8 µV/75 Ω
S/N 20 dB	1.6 µV/75 Ω
IHF usable sensitivity	(IHF'58) 2.2 µV/75 Ω
IHF 46 dB stereo quieting sensitivity	22 µV/75 Ω
Total Harmonic distortion	
MONO	0.2%
STEREO	0.3%
S/N	
MONO	60 dB (71 dB, IHF)
STEREO	58 dB (65 dB, IHF)
Frequency response	
	20 Hz to 15 kHz, +1 dB, -2 dB
Image rejection at 98 MHz	40 dB
IF rejection at 98 MHz	70 dB
Stereo separation (1 kHz)	40 dB
Antenna terminal	75 Ω (unbalanced)
■ AM TUNER SECTION	
Frequency range	
	522 kHz to 1611 kHz (9 kHz steps)
	530 kHz to 1620 kHz (10 kHz steps)
Sensitivity	500 µV/m
Selectivity (at 999 kHz)	30 dB
■ GENERAL	
Power supply	
	AC 230 V to 240 V, 50 Hz
Power consumption	110 W
Dimensions (W × H × D)	

	430 mm x 105 mm x 385 mm
Mass	3.8 kg
Power consumption in standby mode:	1 W

Notes:

1. Specifications are subject to change without notice. / Mass and dimensions are approximate.
2. Total harmonic distortion is measured by the digital spectrum analyzer.

* Manufactured under license from Dolby Laboratories. / "Dolby", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.

** Manufactured under license from Digital Theater System. / "DTS" and "DTS Digital Surround" are trademarks of Digital Theater System.

⚠ WARNING

This service information is designed for experienced repair technicians only and is not designed for use by the general public.
It does not contain warnings or cautions to advise non-technical individuals of potential dangers in attempting to service a product.
Products powered by electricity should be serviced or repaired only by experienced professional technicians. Any attempt to service or repair the product or products dealt with in this service information by anyone else could result in serious injury or death.

Panasonic

1. Safety Precautions

1.1. General Guidelines

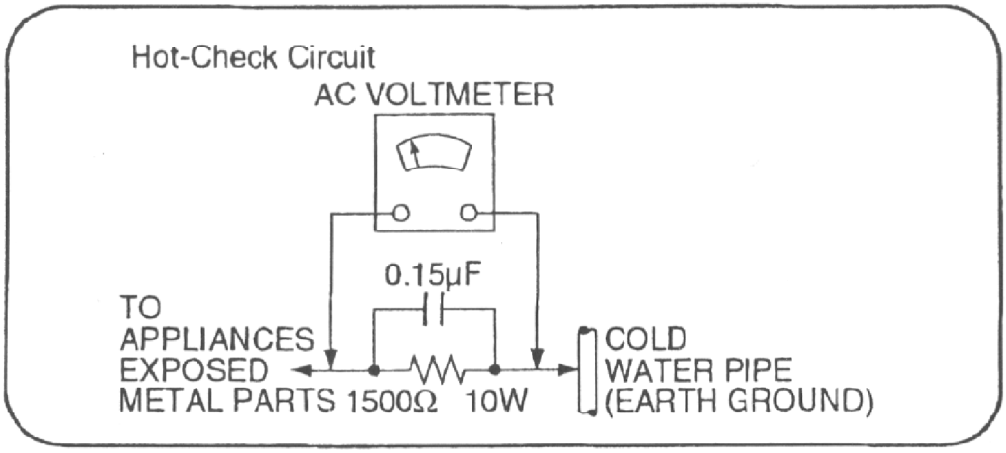
1. When servicing, observe the original lead dress. If a short circuit is found, replace all parts which have been overheated or damaged by the short circuit.
2. After servicing, see to it that all the protective devices such as insulation barriers, insulation papers shields are properly installed.
3. After servicing, make the following leakage current checks to prevent the customer from being exposed to shock hazards.

1.1.1. Leakage Current Cold Check

1. Unplug the AC cord and connect a jumper between the two prongs on the plug.
2. Measure the resistance value, with an ohmmeter, between the jumpered AC plug and each exposed metallic cabinet part on the equipment such as screwheads, connectors, control shafts, etc. When the exposed metallic part has a return path to the chassis, the reading should be between 1M Ω and 5.2 Ω . / When the

exposed metal does not have a return path to the chassis, the reading must be ∞ .

Fig. 1



1.1.2. Leakage Current Hot Check (See Figure 1.)

1. **Plug the AC cord directly into the AC outlet. Do not use an isolation transformer for this check.**
2. **Connect a 1.5k Ω , 10 watts resistor, in parallel with a 0.15 μ F capacitors, between each exposed metallic part on the set and a good earth ground such as a water pipe, as shown in Figure 1.**
3. **Use an AC voltmeter, with 1000 ohms/volt or more sensitivity, to measure the potential across the resistor.**
4. **Check each exposed metallic part, and measure the voltage at each point.**
5. **Reverse the AC plug in the AC outlet and repeat each of the above measurements.**
6. **The potential at any point should not exceed 0.75 volts RMS. A leakage current tester (Simpson Model 229 or equivalent) may be used to make the hot checks, leakage current must not exceed 1/2 milliamp. In case a measurement is outside of the limits specified, there is a possibility of a shock hazard, and the equipment should be repaired and rechecked before it is returned to the customer.**

1.2. Before Repair and Adjustment

Disconnect AC power, discharge Power Supply Capacitors C707 & C1706 through a 10 Ω , 1W resistor to ground.

DO NOT SHORT-CIRCUIT DIRECTLY (with a screwdriver blade, for instance), as this may destroy solid state devices.
After repairs are completed, restore power gradually using a variac, to avoid overcurrent.
Current consumption at AC 230 V - 240 V, 50Hz in NO SIGNAL mode should be 200 ~ 800 mA .

1.3. Protection Circuitry

The protection circuitry may have operated if either of the following conditions is noticed:
***No sound is heard when the power is supplied.**
***Sound stops during a performance.**
The functions of this circuitry is to prevent circuitry damage, for example, the positive and negative speaker connection wires are "shorted", or if speaker systems with an impedance less than the indicated rated impedance of this unit are used.
If this occurs, follow the procedure outlined below:

1. Press the STANDBY /ON button, switch to STANDBY mode.

2. Determine the cause of the problem and correct it.

3. Press the STANDBY /ON button once again, supply the power.

Note:

When the protection circuitry functions, the unit will not operate unless the STANDBY /ON button is first switched STANDBY and then ON again.

2. Prevention of Electro Static Discharge (ESD) to Electrostatically Sensitive (ES) Devices

Some semiconductor (solid state) devices can be damaged easily by electricity. Such components commonly are called Electrostatically Sensitive (ES) Devices. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by electro static discharge (ESD).

1. **Immediately before handling any semiconductor component or semiconductor-equiped assembly, drain off any ESD on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging ESD wrist strap, which should be removed for potential shock reasons prior to applying power to the unit under test.**
2. **After removing an electrical assembly equiped with ES devices, place the assembly on a conductive surface such as aluminium foil, to prevent electrostatic charge build up or exposure of the assembly.**

3. **Use only a grounded-tip soldering iron to solder or unsolder ES devices.**
4. **Use only an anti-static solder remover device. Some solder removal devices not classified as “anti-static (ESD protected)” can generate electrical charge to damage ES devices.**
5. **Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.**
6. **Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminium foil or comparable conductive material).**
7. **Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.**

   Caution

   Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.
8. **Minimize body motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity (ESD) sufficient to damage an ES device).**

IMPORTANT SAFETY NOTICE

There are special components used in this equipment which are imporant for safety.
These parts are marked by ⚠ in the schematic diagrams, Exploded Views and replacement parts list. It is essential that these critical parts should be replaced with manufacturer's specified parts to prevent shock, fire, or other hazards. Do not modify the original design without permission of manufacturer.

3. Handling the Lead Solder

3.1. About Lead Free Solder (PbF)

Distinction of PbF P.C.B. :

P.C.B.s (manufactured) using lead free solder will have a PbF stamp on the P.C.B.

Caution:

- Pb free solder has a higher melting point that standard solder; Typically the melting point is 50 - 70°F (30 - 40°C) higher. / Please

use a high temperature soldering iron. In case of the soldering iron with temperature control, please set it to 700 ± 20°F (370 ± 10°C).

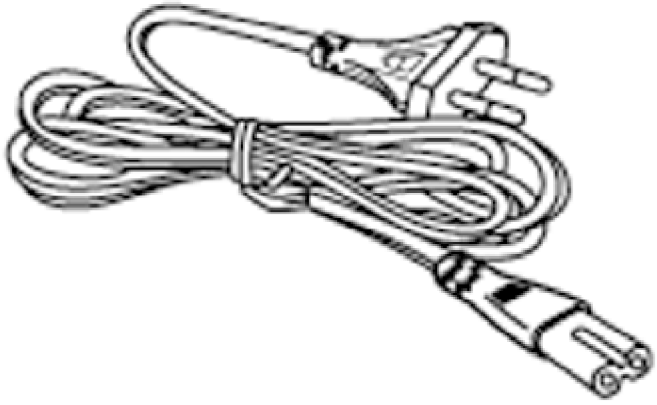
- Pb free solder will tend to splash when heated too high (about 1100°F/600°C).

- When soldering or unsoldering, please completely remove all of the solder on the pins or solder area, and be sure to heat the soldering points with the Pb free solder until it melts enough.

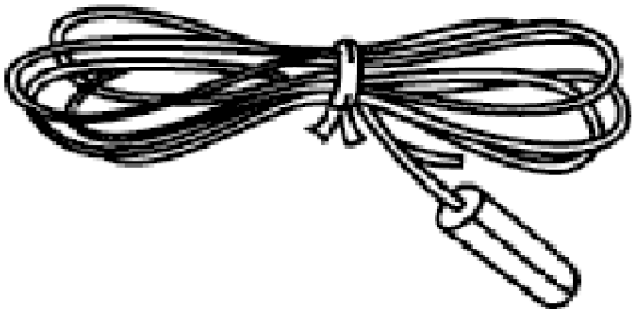
4. Accessories

Note: Refer to Packing Materials & Accessories (Section 18) for part number.

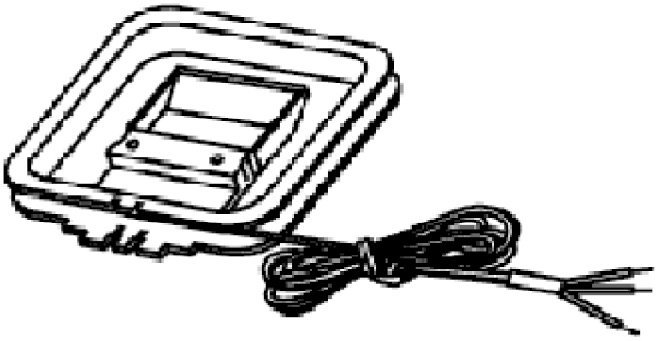
AC power cord



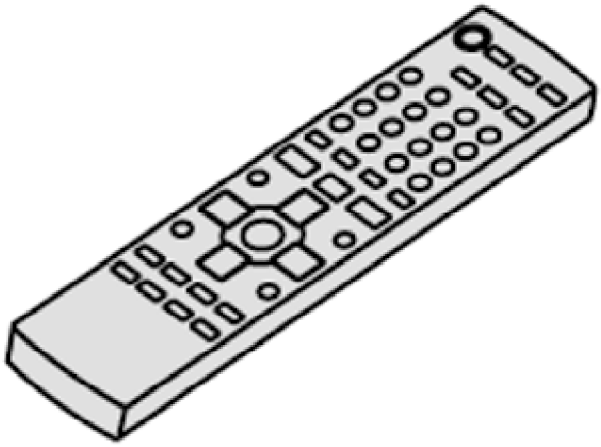
FM indoor antenna



AM loop antenna



Remote control



5. Operation Procedures

5.1. Remote Control Operation

5.2. Main Unit Operation

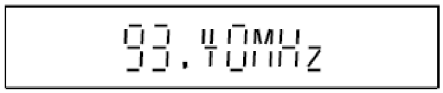
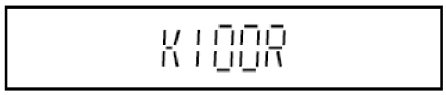
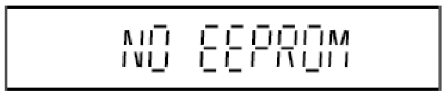
6. New Features

6.1. Music Port

7. Self Diagnosis and Special Mode Setting

This unit is equipped with function for checking and inspecting namely: Self-Diagnostic and Test Mode.

7.1. Doctor & Service Mode (Special Mode setting)

Item		FL Display	Key Operation
Mode Name	**Description**		**Front Key**
Doctor Mode	**To enter into Doctor Mode for checking of various items. (For more information, refer to section 7.1.1.)**	**1. FL will display as below for 3s:** **2. Initialization of all settings & the tuner frequency is set as below.** 	**1. Press & hold** **[INPUT SELECT** **and** **[-MENU]** **main unit follow by the** **[⏻/I, POW** **button at the same time.** **To exit, press the** **[⏻/I, POWI** **button on the main unit or** **control.**
Service Mode	**To enter into Service Mode for checking of uP software Version and displaying EEPROM checksum.**	**1. FL will display as below:** **2. Next is the micro-processor firmware version no.**  **3. This is follow by checking of EEPROM:-**  **Notes:** **1. When NO EEPROM, it will display "NO EEPROM".** **2. When there is EEPROM, it will display "SUM****" whereby **** refers to check sum no. (ROM Correction).**	**For Service mode:** **1. Press & hold** **[INPUT SELECT** **and** **[TUNE,** **button on main unit follow by the** **[⏻/I, POW** **button at the same time.** **To check uP software Vers** **1. Press [TUNE,** **button on main unit.** **To check EEPROM:** **1. Press [TUNE,** **button on main unit.** **To exit, press the** **[⏻/I, POWI** **button on main unit or rem** **control.**

7.1.1. Inspection & Checking Items

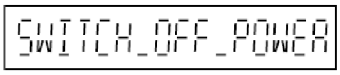
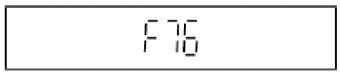
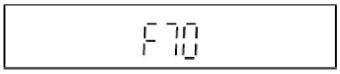
After entering into doctor mode, the main unit can be used for checking of various items using the remote control.

Remote Control	Test Mode Function and settings			
	Selector	Sound Mode	Other setting	Vol/Tone
CH 1	TV	STEREO	Analog	-18dB/0dB
CH 2	DVR/DVD-P	STEREO	Analog	-18dB/0dB
CH 3	REAR MUSIC PORT	STEREO	Analog	-18dB/0dB
CH 4	FRONT MUSIC PORT	STEREO	Analog	-18dB/0dB
CH 5	TV	STEREO	Digital (OPT 1)	-48dB/0dB
CH 6	DVR/DVD-P	STEREO	Digital (OPT 2)	-48dB/0dB
CH 7	TV	STEREO	Digital (COAX)	-48dB/0dB
CH 8	If the input selector is TUNER, auto tuning function is started to upward on current frequency.			
CH 9	If the input selector is TUNER, auto tuning function is started to downward on current frequency.			
CH 0	If the input selector is TUNER in E2 mode, Display Mode (PS/PTY) is changed.			
≧10	TUNER	STEREO	Frequency: FM max FM Mode: MONO	-48dB/0dB
MUTING	All indicators of FL are displayed. All LED are off. Note: After this setting, only 'POWER' button by the remote control can be entered.			
Volume Up	Check Main uP software Version. Display [K 100R **]; **is current version. * Volume is still increased but not displayed.			
Volume Down	Check for EEPROM & Check Sum. Display [SUM ****]; **** is checksum. If no ROM correction, and when EEPROM is not attach, display [NO_EEPROM] * Volume is still reduced but not displayed.			
SUBW	DVR/DVD-P	----------	All CH printed out	-18dB/0dB
LEVEL	No change	SURROUND	Scan the test noise output channel with 500ms intervals.	-18dB/0dB
-/L	TV	STEREO	Balance is set to leftmost.	-18dB/0dB
+/R	TV	STEREO	Balance is set to rightmost	-18dB/0dB

7.2. Error Code Table

Self- Diagnosis Function provides information on any problems occuring for the units and its

respective parts by displaying error codes.

Error Code	Diagnosis Contents	Description of error	Automatic FL Display	Remarks
OVERLOAD	**Speaker short, power amplifier failure Digital amplifier abnormal operation**	**Both [SHORT_DET] & [FAN_LOCK] signal is detected as active high while [DC_DET] signal is active low.**		
FAN LOCK	**Detection of FAN LOCK**	**Both [SHORT_DET] & [DC_DET] signal is detected as active high while [FAN_LOCK] signal is active low.**	 *** When any button is next press when in this condition.**	**All channels in**
F76	**Detection of POWER MALFUNCTION & abnormal operation**	**Both [FAN_LOCK] & [DC_DET] signal is detected as active high while [SHORT_DET] is active low.**		
F70	**Detection of POWER MALFUNCTION & abnormal operation**			

8. Assembling and Disassembling

8.1. Caution

“Attention Servicer”

Some chassis components may have sharp edges. Be careful when disassembling and servicing.

1. **This section describes procedures for checking the operation of the major printed circuit boards and replacing the main components.**
2. **For reassembly after operation checks or replacement, reverse the respective procedures.**
   Special reassembly procedures are described only when required.

3. Select items from the following index when checks or replacement are required.

4. Refer to the Parts No. on the page of “Replacement Parts List” (Section 18), if necessary.

Below is the list of disassembly procedures

- Disassembly of Top Cabinet
- Disassembly of Rear Panel
- Disassembly of Front Panel
- Disassembly of Panel P.C.B., Music Port P.C.B. & Volume P.C.B.
- Disassembly of Main P.C.B.
- Disassembly of DSP P.C.B.
- Disassembly of AC In P.C.B.
- Disassembly of Power P.C.B.
- Disassembly of Digital Amp P.C.B.

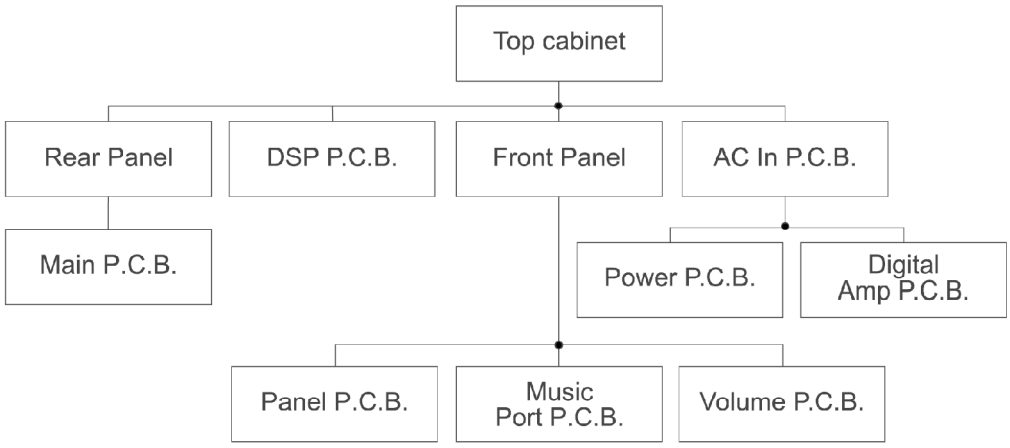
Caution

Do ensure the correct screw is uses.

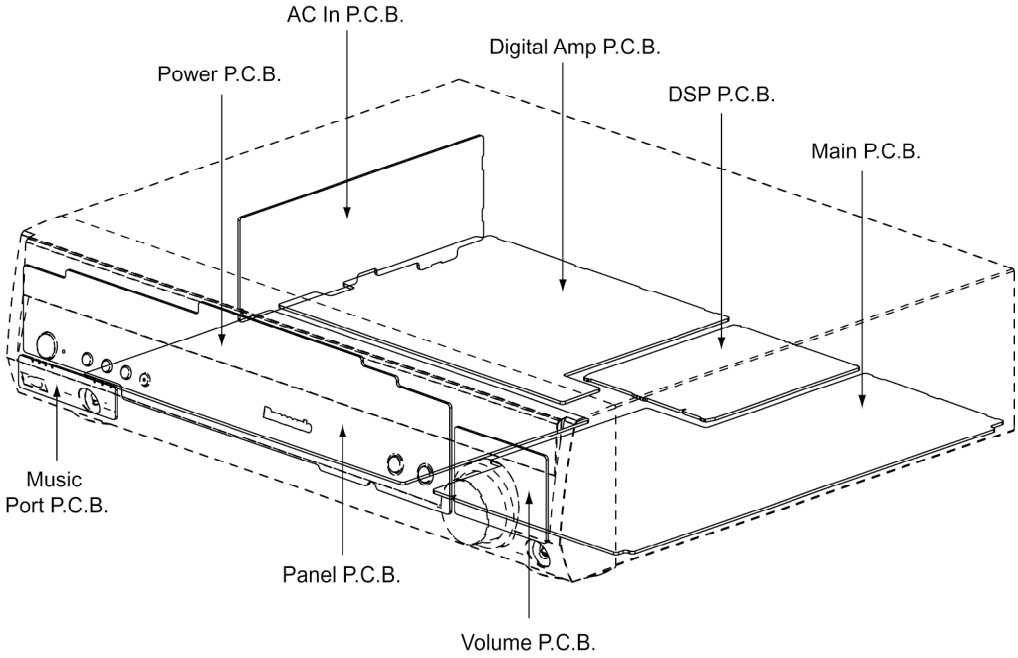
8.2. Disassembly Flow Chart

The following chart is the procedure for disassembling the casing and inside parts for internal inspection when carrying out the servicing.

To assemble the unit, reverse the steps shown in the chart as below.

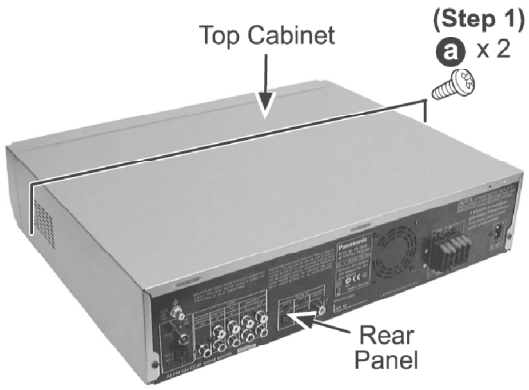


8.3. Main Parts Location

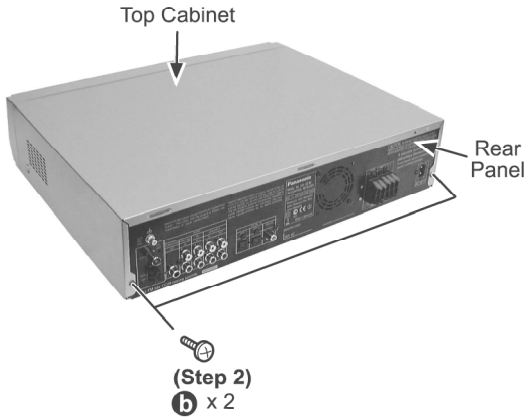


8.4. Disassembly of Top Cabinet

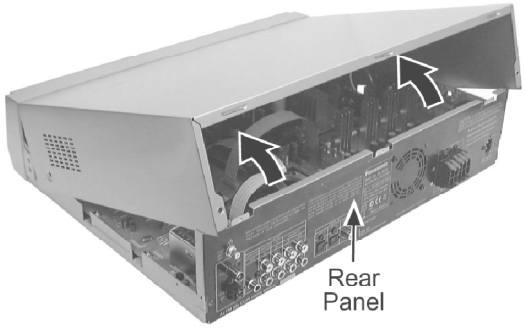
Step 1: Remove 2 screws.



Step 2 : Remove 2 screws at rear panel.



Step 3 : Open and lift up the top cabinet as arrow shown.

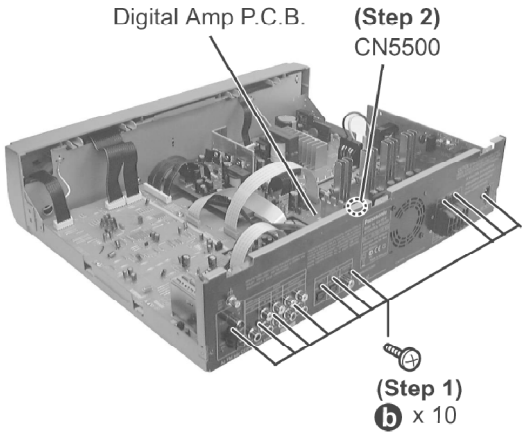


8.5. Disassembly of Rear Panel

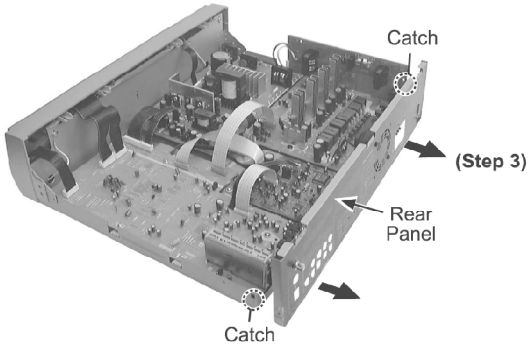
- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

Step 1 : Remove 10 screws at rear panel.

Step 2 : Detach wire connector (CN5500) at Digital Amp P.C.B..



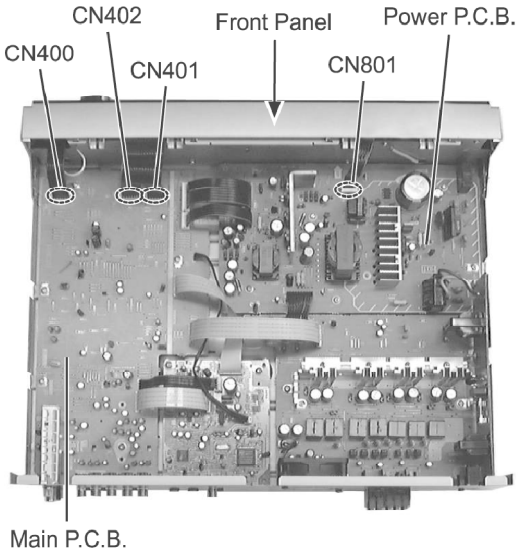
Step 3 : Release 2 catches and pull the rear panel backwards as the arrow shown.



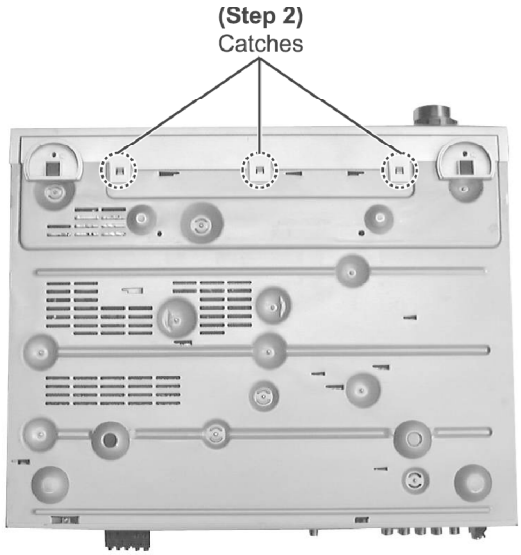
8.6. Disassembly of Front Panel

- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

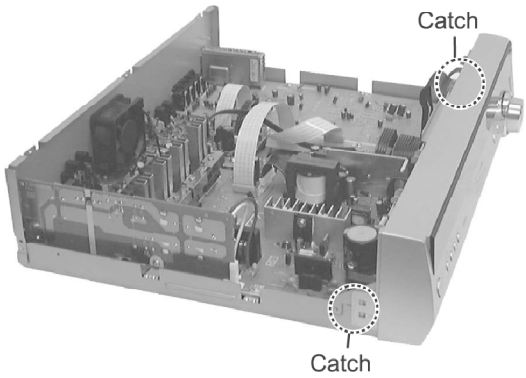
Step 1 : Detach the wire connections (CN400, CN402 & CN401) at Main P.C.B. and (CN801) at Power P.C.B..



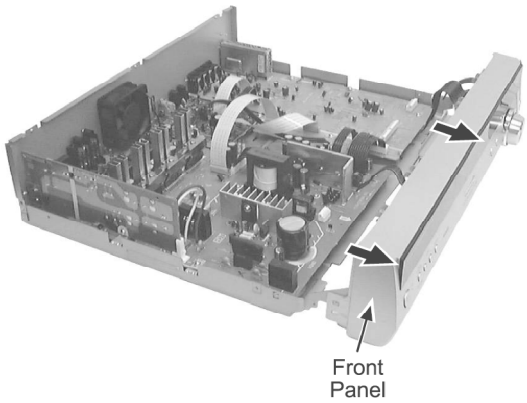
Step 2 : Release 3 catches.



Step 3 : Release 2 catches.



Step 4 : Push forward front panel as the arrow shown.



8.7. Disassembly of Panel P.C.B., Music Port P.C.B. & Volume P.C.B.

- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

- Follow the (Step 1) - (Step 4) of item 8.6. - Disassembly of Front Panel

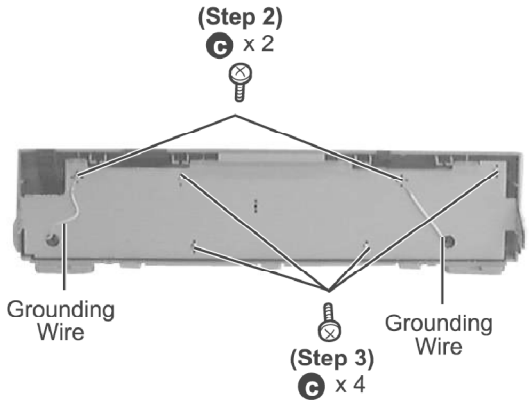
Step 1 : Remove the volume knob as picture shown.

Step 2 : Remove 2 screws grounding wires as picture shown.

Caution:

Remember to screw the 2 grounding wires during assembly.

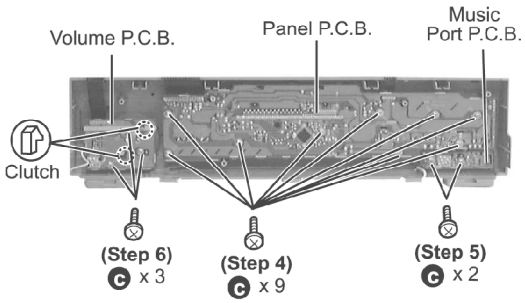
Step 3 : Remove 4 screws as picture shown.



- Disassembly of Panel P.C.B. and Music Port P.C.B.

Step 4 : Remove 9 screws at Panel P.C.B..

Step 5 : Remove 2 screws at Music Port P.C.B..



- Disassembly of Volume P.C.B.

Step 6 : Remove 3 screws at Volume P.C.B..

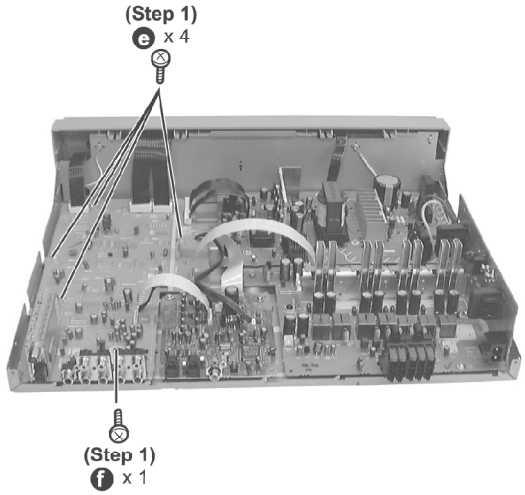
Step 7 : Release 2 clutchs.

8.8. Disassembly of Main P.C.B.

- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

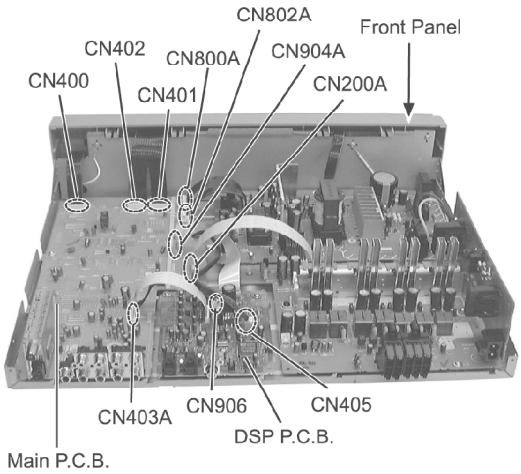
- Follow the (Step 1) - (Step 3) of item 8.5. - Disassembly of Rear Panel

Step 1 : Remove 5 screws at Main P.C.B..

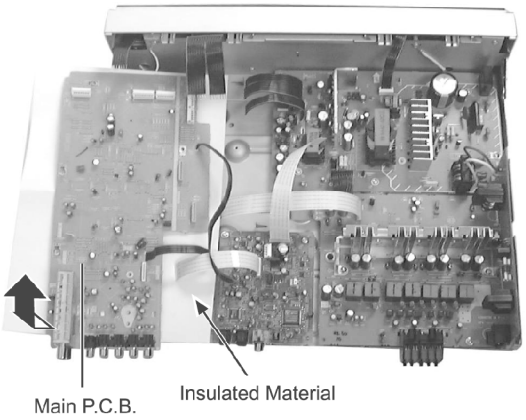


Step 2 : Disconnect FFC cables (CN400, CN402, CN401, CN800A, CN802A, CN904A, CN200A and CN403A) at Main P.C.B. .

Step 3 : Disconnect 2 connectors (CN906 & CN405) at DSP P.C.B..



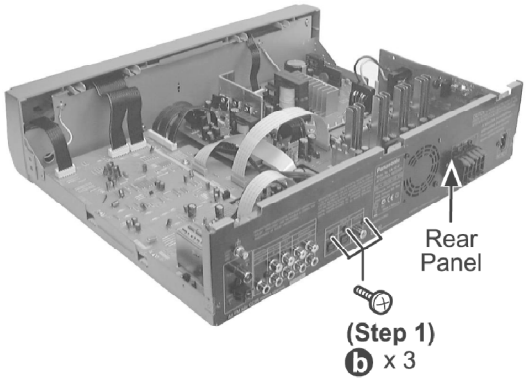
Step 4 : Lift up and remove the Main P.C.B. as picture shown.



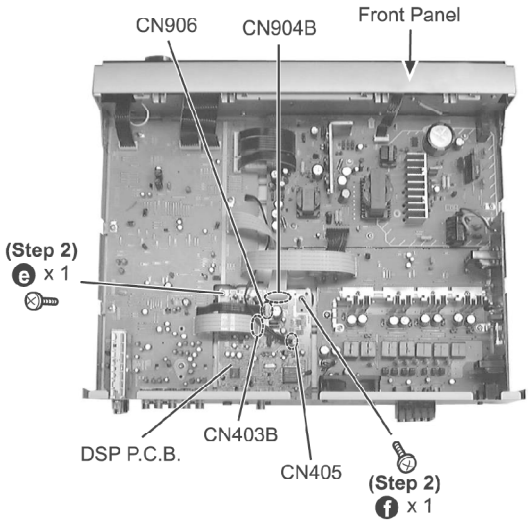
8.9. Disassembly of DSP P.C.B.

- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

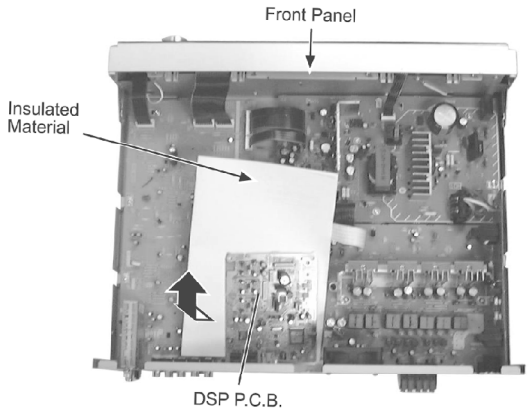
Step 1 : Remove 3 screws at rear panel.



Step 2 : Remove 2 screws at DSP P.C.B..



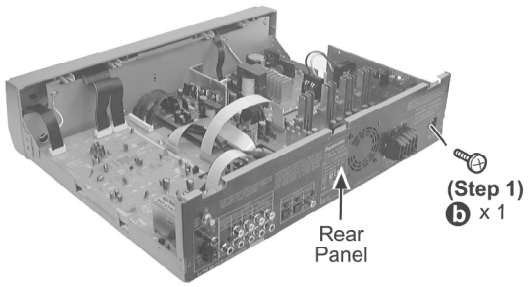
Step 3 : Disconnect 4 connectors (CN906, CN904B, CN405 &CN403B) at DSP P.C.B..
Step 4 : Lift up and remove the DSP P.C.B. as the arrow shown.



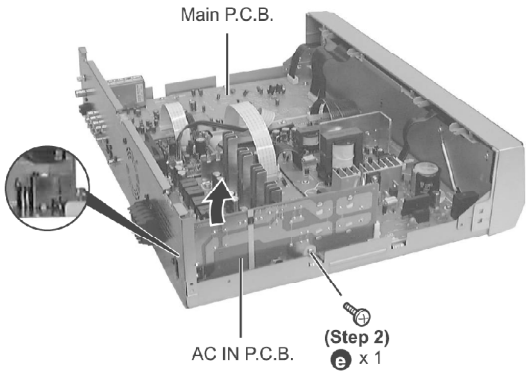
8.10. Disassembly of AC In P.C.B.

- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

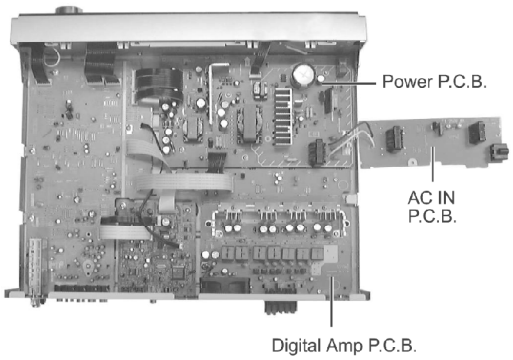
Step 1 : Remove 1 screw at rear panel.



Step 2 : Remove 1 screw at AC In P.C.B..



Caution:
Remember to use tie wraps to tie red/ white wires between (AC In P.C.B. and Power P.C.B.) to the side of AC In P.C.B. after repair or troubleshooting.
Step 3 : Lift up and place AC In P.C.B. as picture shown.



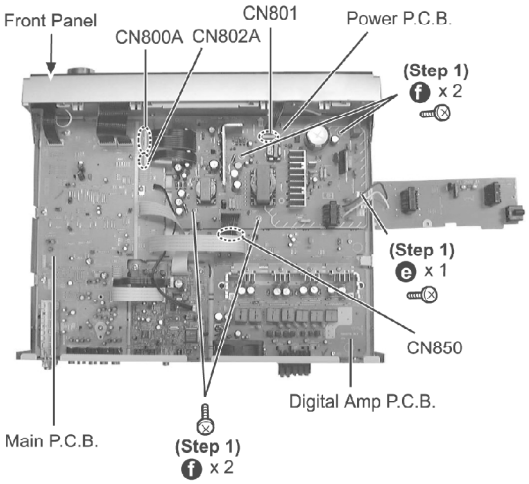
Note:
Caution when lift up the AC In P.C.B..

8.11. Disassembly of Power P.C.B.

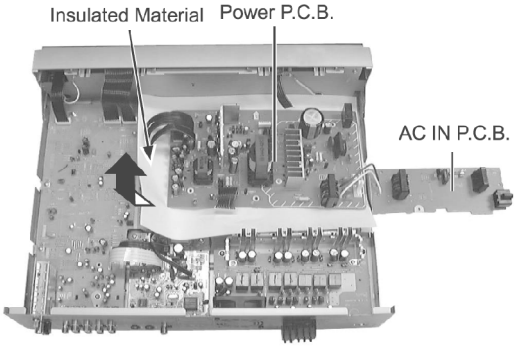
- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

- Follow the (Step 1) - (Step 3) of item 8.10. - Disassembly of AC In P.C.B.

Step 1 : Remove 5 screws at Power P.C.B..
Step 2 : Disconnect 2 connectors (CN800A & CN802A) at Main P.C.B..
Step 3 : Disconnect 1 connector (CN801) at Power P.C.B..
Step 4 : Disconnect 1 connector (CN850) at Digital Amp P.C.B..

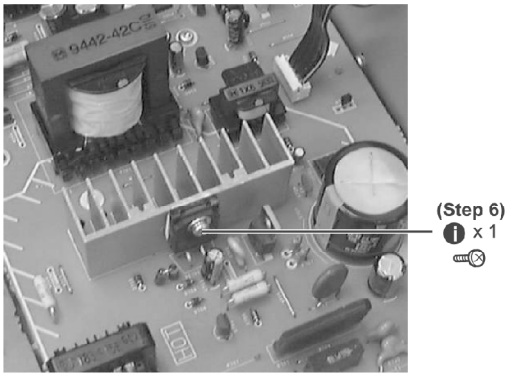


Step 5 : Lift up the Power P.C.B. as picture shown.

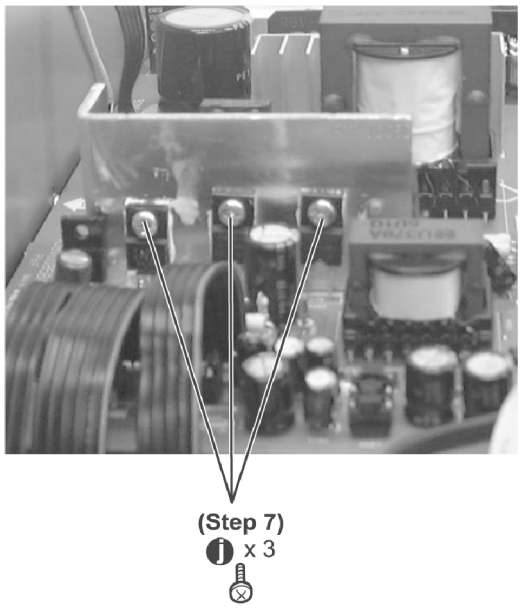


- Replacement of the Power Supply IC and Diode

Step 6 : Remove 1 screw (from IC701).

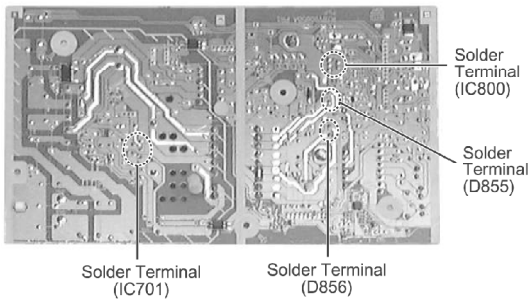


Step 7 : Remove 3 screws (from IC800, D855 and D856).



Step 8 : Flip over the Power P.C.B..

Step 9 : Desolder the terminal to replace the components.

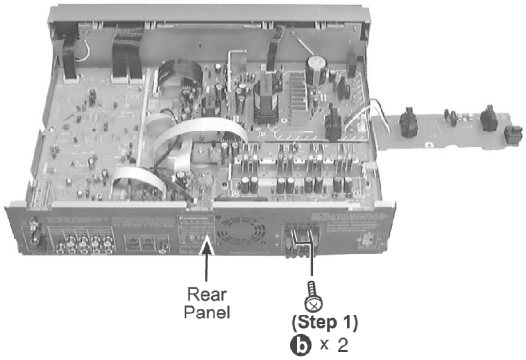


8.12. Disassembly of Digital Amp P.C.B.

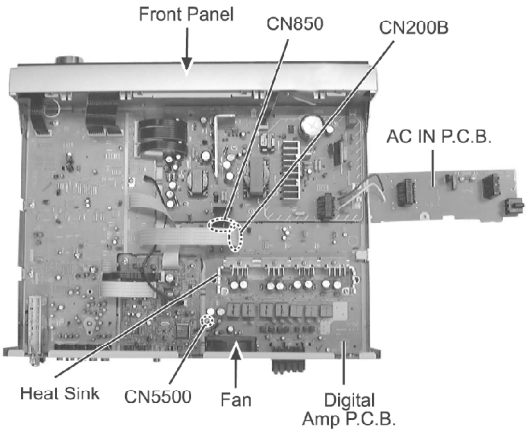
- Follow the (Step 1) - (Step 3) of item 8.4. - Disassembly of Top Cabinet

- Follow the (Step 1) - (Step 3) of item 8.10. - Disassembly of AC In P.C.B.

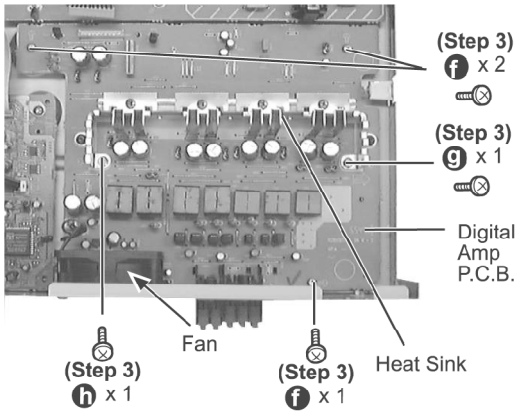
Step 1 : Remove 2 screws at rear panel.



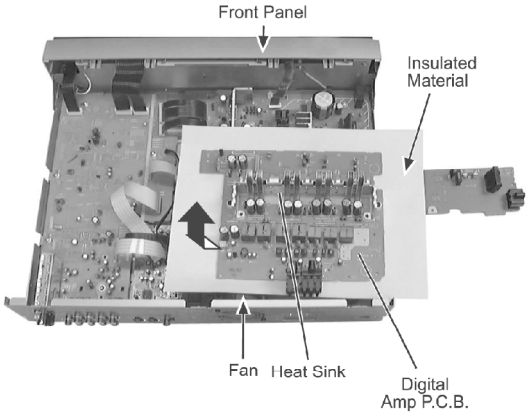
Step 2 : Detach FFC cables (CN5500, CN200B & CN850) at Digital Amp P.C.B..



Step 3 : Remove 5 screws at Digital Amp P.C.B..

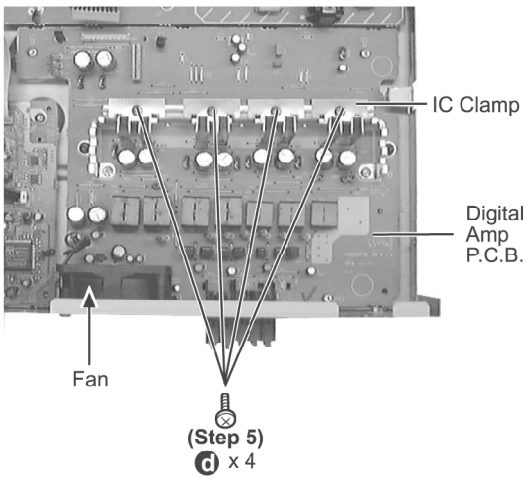


Step 4 : Lift up and remove the Digital Amp P.C.B. as arrow shown.



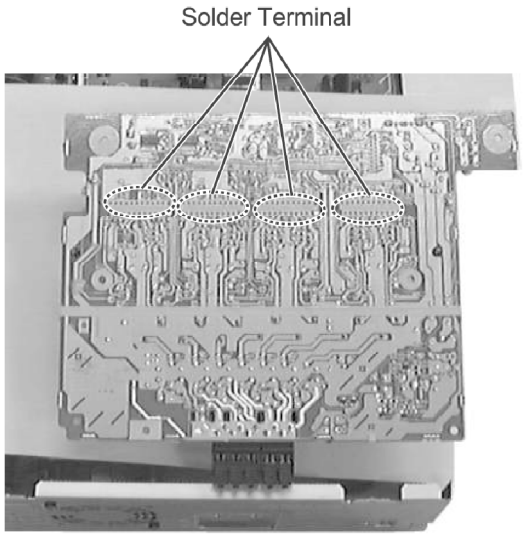
- Replacement of the Power Amp IC

Step 5 : Remove 4 screws at the IC Clamp.



Step 6 : Flip over Digital Amp P.C.B..

Step 7 : Desolder the terminal to replace the components.



9. Service Position

Note:

Checking of all Major P.C.B. (Main P.C.B., DSP P.C.B., AC In P.C.B., Digital Amp P.C.B., Power P.C.B., Panel P.C.B., Music Port P.C.B. & Volume P.C.B.) can be carried out using below procedures.

For the disassembling procedure, see Section 8.

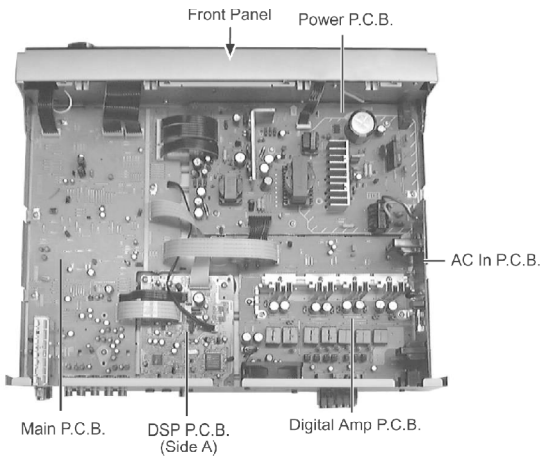
9.1. Checking the DSP P.C.B. (Side A) & AC In P.C.B.

1. Remove Top Cabinet

Remove 2 screws at the side cabinet.

Remove 2 screws at the rear cabinet.

Remove top cabinet.



9.2. Checking the DSP P.C.B. (Side B)

1. Remove Top Cabinet

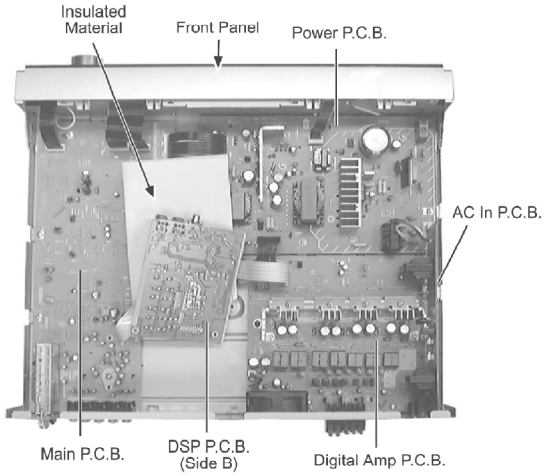
Remove 2 screws at the side cabinet.

Remove 2 screws at the rear cabinet.

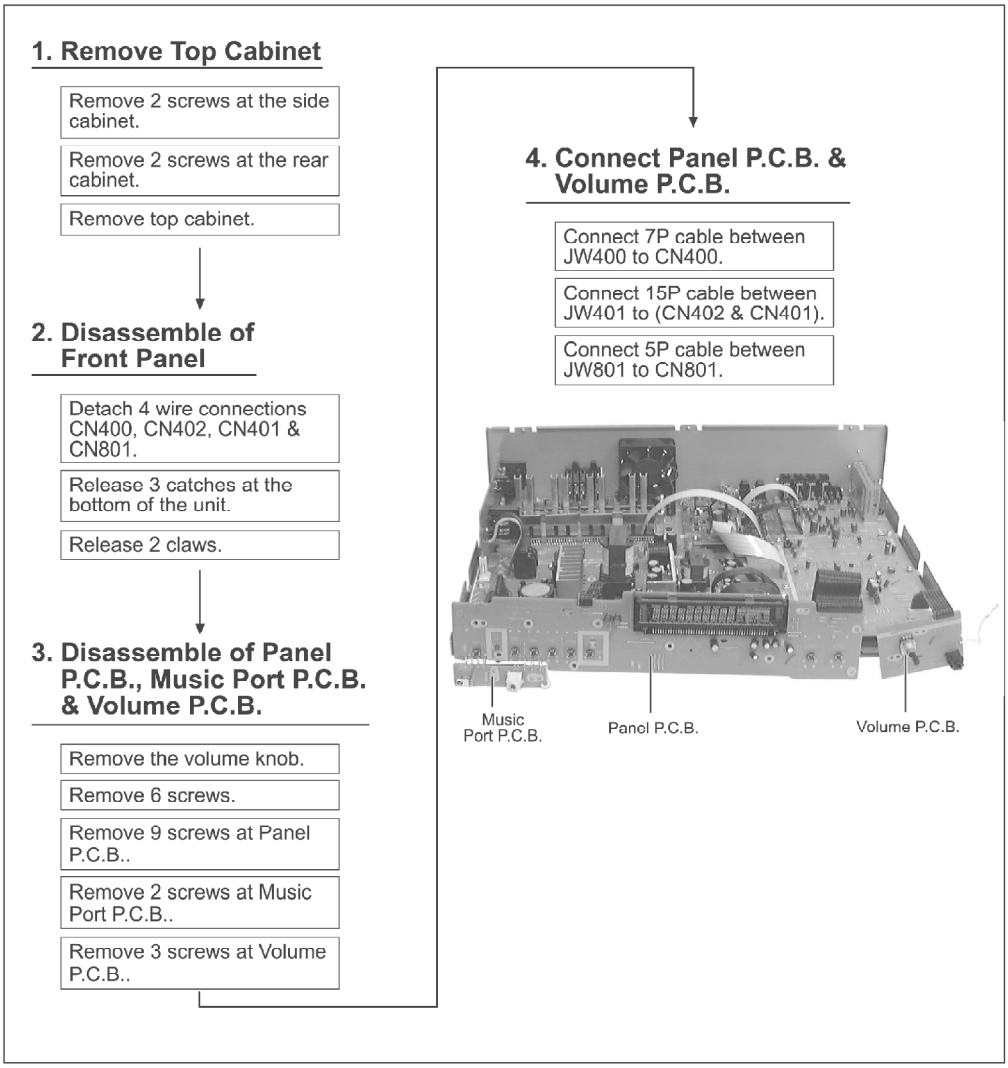
Remove top cabinet.

2. Flip Over

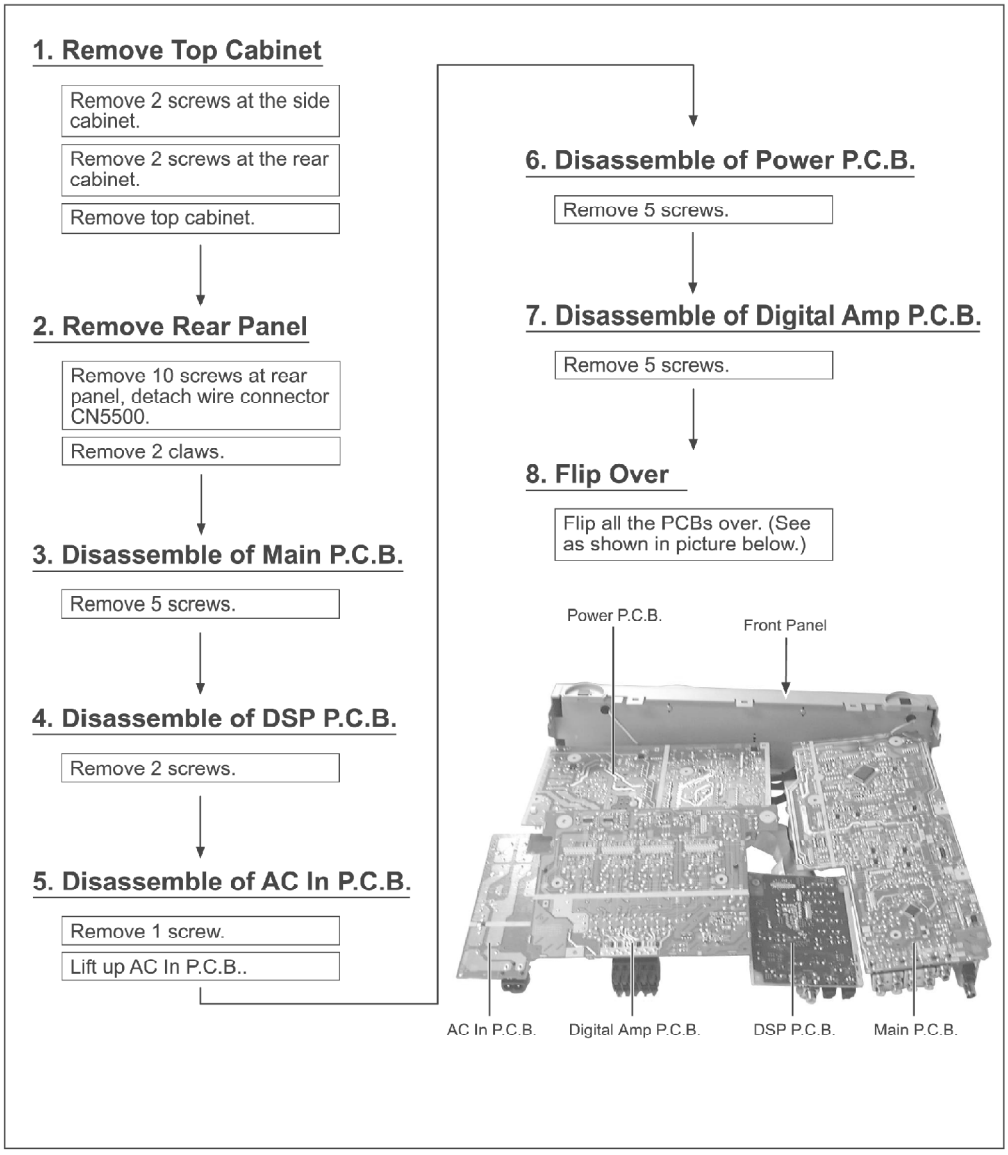
Flip over the DSP P.C.B..



9.3. Checking the Panel P.C.B., Music Port P.C.B. and Volume P.C.B.


1. Remove Top Cabinet
Remove 2 screws at the side cabinet.
Remove 2 screws at the rear cabinet.
Remove top cabinet.
2. Disassemble of Front Panel
Detach 4 wire connections CN400, CN402, CN401 & CN801.
Release 3 catches at the bottom of the unit.
Release 2 claws.
3. Disassemble of Panel P.C.B., Music Port P.C.B. & Volume P.C.B.
Remove the volume knob.
Remove 6 screws.
Remove 9 screws at Panel P.C.B..
Remove 2 screws at Music Port P.C.B..
Remove 3 screws at Volume P.C.B..
4. Connect Panel P.C.B. & Volume P.C.B.
Connect 7P cable between JW400 to CN400.
Connect 15P cable between JW401 to (CN402 & CN401).
Connect 5P cable between JW801 to CN801.
Music Port P.C.B.
Panel P.C.B.
Volume P.C.B.

9.4. Checking the Main P.C.B., Power P.C.B. & Digital Amp P.C.B.


1. Remove Top Cabinet
Remove 2 screws at the side cabinet.
Remove 2 screws at the rear cabinet.
Remove top cabinet.
2. Remove Rear Panel
Remove 10 screws at rear panel, detach wire connector CN5500.
Remove 2 claws.
3. Disassemble of Main P.C.B.
Remove 5 screws.
4. Disassemble of DSP P.C.B.
Remove 2 screws.
5. Disassemble of AC In P.C.B.
Remove 1 screw.
Lift up AC In P.C.B..
6. Disassemble of Power P.C.B.
Remove 5 screws.
7. Disassemble of Digital Amp P.C.B.
Remove 5 screws.
8. Flip Over
Flip all the PCBs over. (See as shown in picture below.)
Power P.C.B.
Front Panel
AC In P.C.B.
Digital Amp P.C.B.
DSP P.C.B.
Main P.C.B.

10. Voltage Measurement and Waveform Chart

Notes:

- Indicated voltage values are the standard values for the unit measured by the DC electronic circuit tester (higher-impedance) with the chassis taken as standard.
Therefore, there may exist some errors in the voltage values, depending on the internal impedance of the DC circuit tester.

- Circuit voltage and waveform described herein shall be regarded as reference information when probing defect point, because it may differ from an actual measuring value due to difference of Measuring instrument and its measuring condition and product itself.

10.1. Voltage Measurement

10.1.1. DSP P.C.B.

10.1.2. Main P.C.B.

10.1.3. Power P.C.B.

10.1.4. Panel P.C.B.

10.1.5. Digital Amp P.C.B.

10.2. Waveform Chart

11. Wiring Diagrams

12. Block Diagram

13. Schematic Diagram

13.1. Notes of Schematic Diagram

(All schematic diagrams may be modified at any time with the development of the new technology)

Note:

S401

: Power switch

S402

: < I/P Select switch

S403

: I/P Select > switch

S404

: Enter switch

S406

: Menu/-Setup switch

S407

: Tune_down switch

S408

: Tune_up switch

- The voltage value and waveforms are the reference voltage of this unit measured by DC electronic voltmeter (high impedance) and oscilloscope on the basis of chassis. Accordingly, there may arise

some error in voltage values and waveforms depending upon the internal impedance of the tester or the measuring unit.

- Importance safety notice :

Components identified by ⚠ mark have special characteristics important for safety. Furthermore, special parts which have purposes of fire-retardant (resistors), high-quality sound (capacitors), low-noise (resistors), etc. are used. When replacing any of components, be sure to use only manufacturer's specified parts shown in the parts list.

Caution !

IC, LSI and VLSI are sensitive to static electricity.
Secondary trouble can be prevented by taking care during repair.

- Cover the parts boxes made of plastics with aluminium foil.
- Put a conductive mat on the work table.
- Ground the soldering iron.
- Do not touch the pins of IC, LSI or VLSI with fingers directly.

13.2. (A) DSP Circuit

13.3. (B) Main Circuit

13.4. (C) Digital Amp Circuit

13.5. (D) Panel Circuit, (E) Volume Circuit & (F) Music Port Circuit

13.6. (G) Power Circuit & (H) AC In Circuit

14. Printed Circuit Board Diagram

Note: Circuit board diagrams may be modified at any time with the development of new technology.

14.1. (A) DSP P.C.B.

14.2. (B) Main P.C.B.

14.3. (C) Digital Amp P.C.B.

14.4. (D) Panel P.C.B., (E) Volume P.C.B. & (F) Music Port P.C.B.

14.5. (G) Power P.C.B.

14.6. (H) AC In P.C.B.

15. Illustrations of IC’s, Transistors & Diodes

16. Terminal Functions of Integrated Circuits

16.1. IC301 (C2CBYY000152): Microprocessor

Pin No.	Terminal Name	I/O	Function
1	RF_PCONT	O	Wireless Module PCONT
2	RF_DET	I	Wireless Module Detection
3	RF_LINK	I	Wireless Module Link Detection
4	RF_CHANGE	O	Wireless Module Role Change (TX ← → RX)
5	VOL_CLK	O	Volume + Selector control
6	VOL_DT	O	Volume + Selector control
7	FHOP(OSC_SW)	-	Osc switching for Digital Amplifier
8	BYTE	-	GND
9	CNVss	I	CNVss
10	N.C.	-	No Connection
11	N.C.	-	No Connection
12	RESET	I	Reset input pin for active “L”
13	XOUT	-	Clock output [10.00MHz]
14	VSS	-	GND
15	XIN	-	Clock input [10.00MHz]
16	VCC	-	Power source [5v]
17	NMI	-	Pull-up resistance
18	N.C.	-	No Connection
19	REMOTE	I/O	Remote Control signal
20	AC_SYNC	-	Power Failure Detection
21	MUTE_ALL	O	MUTE all Channel
22	MUTE_S/C	O	MUTE Surround Channel
23	MUTE_WIRELESS	O	MUTE Wireless Channel
24	TUNER	I	New Tuner Stereo Detect

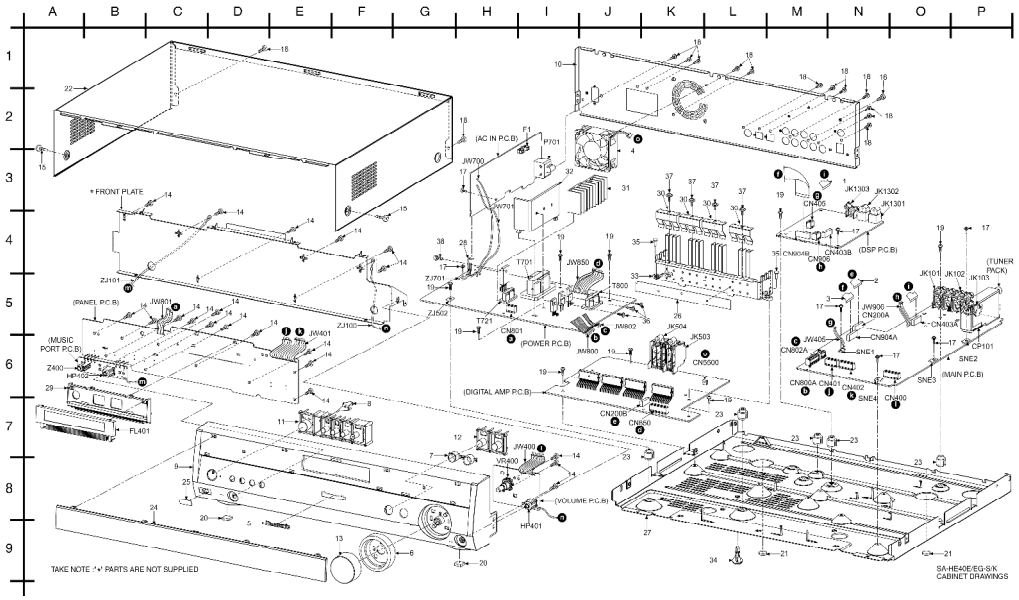
Pin No.	Terminal Name	I/O	Function
25	TUNER	I	New Tuner SD Detect
26	N.C.	-	No Connection
27	N.C.	-	No Connection
28	AMP_POWER	O	Amplifier Power Shut Down
29	TUNER_CLK	I/O	New Tuner (12C Clock)
30	TUNER_DT	I	New Tuner (12C Data)
31	CS49300_CDIN	O	DSP/CODEC serial Data IN (uP-->DSP/ CODEC)
32	CS49300_SCDOUT	I	DSP serial DATA OUT (DSP-->uP)
33	CS49300_CCLK	O	DSP/CODEC Clock
34	CS49300_CS	O	DSP Chip Select
35	CS49300_RESET	O	DSP Reset
36	RDS_DATA	I	RDS: DATA
37	RDS_CLK	I	RDS: Clock
38	N.C.	-	No Connection
39	N.C.	-	No Connection
40	N.C.	-	No Connection
41	N.C.	-	No Connection
42	N.C.	-	No Connection
43	N.C.	-	No Connection
44	N.C.	-	No Connection
45	N.C.	-	No Connection
46	N.C.	-	No Connection
47	N.C.	-	No Connection
48	N.C.	-	No Connection
49	N.C.	-	No Connection
50	N.C.	-	No Connection
51	N.C.	-	No Connection
52	N.C.	-	No Connection
53	N.C.	-	No Connection
54	N.C.	-	No Connection
55	N.C.	-	No Connection
56	N.C.	-	No Connection
57	N.C.	-	No Connection
58	N.C.	-	No Connection
59	N.C.	-	No Connection
60	N.C.	-	No Connection

Pin No.	Terminal Name	I/O	Function
61	N.C.	-	No Connection
62	Vcc2	-	Vcc2
63	N.C.	-	No Connection
64	Vss	-	Vss
65	N.C.	-	No Connection
66	N.C.	-	No Connection
67	SURR_M_LED	O	Led for SURROUND MUSIC mode
68	FLD_CS	O	FLD Dr CS
69	FLD_CLK	O	FLD Dr Serial Clock
70	FLD_D1	O	FLD Dr serial data output
71	VOL_ENCD_A	I	Volume Encoder Input A
72	VOL_ENCD_B	I	Volume Encoder Input B
73	HP_SWITCH	I	Detect H/Phone Connection
74	CS49300_INTREQ	I	DSP Interrupt Request
75	CS42516_INT	I	CODEC interrupt Request
76	CS42516_CS	I/O	CODEC Chip Select
77	CS42516_CDOUT	O	CODEC Data OUT
78	CS42516_RESET	O	CODEC RESET
79	FMPORT_SW	I	Front Music Port Detect
80	POWER	I	Power Key Detection
81	KEY1	I	Key Input1
82	KEY2	I	Key Input2
83	N.C.	-	No Connection
84	N.C.	-	No Connection
85	N.C.	-	No Connection
86	INIT2	I	INITIAL SETTING 2
87	INIT1	I	INITIAL SETTING 1
88	INIT_OUT	O	INITIAL SETTING OUTPUT
89	BEAT_PROOF	I/O	Beat Proof Control
90	N.C.	-	No Connection
91	HP_MUTE	O	MUTE for Headphones
92	PCONT	O	Power Relay Control

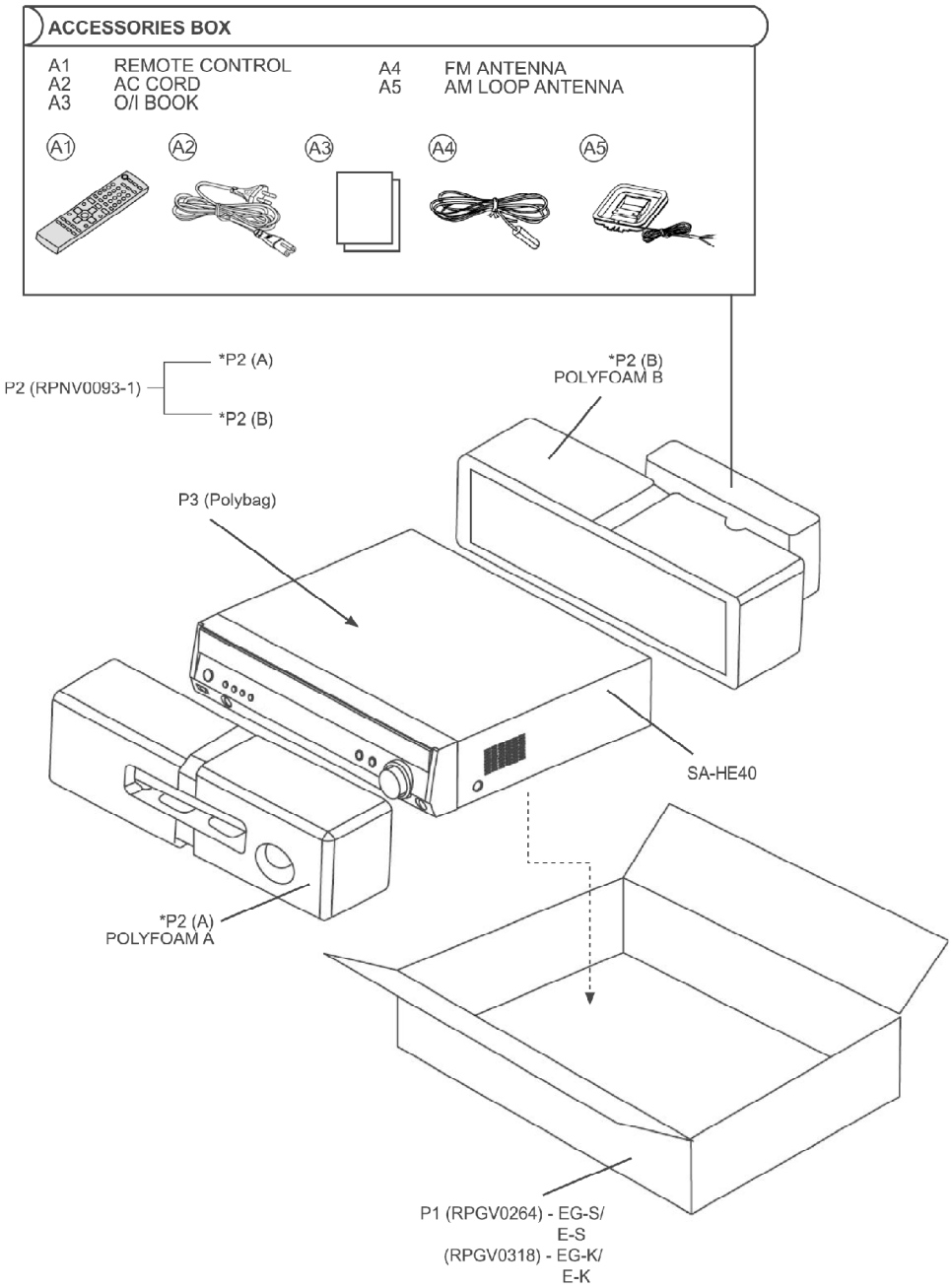
Pin No.	Terminal Name	I/O	Function
93	FAN_LOCK	I	FAN LOCK Detection
94	DC_DET	I	Power Amp Failure
95	S_DET	I	Power supply Short detection
96	Avss	-	Avss
97	FILTER	-	Filter setting
98	VREF	-	Reference power supply of the A/D converter [5v]
99	Avcc	-	Avcc
100	M_PORTDET	I	Wireless Module MPORT detection

17. Exploded Views

17.1. Cabinet Parts Location



17.2. Packaging



18. Replacement Parts List

Notes:

- Important safety notice:

Components identified by ⚠ mark have special characteristics important for safety.

Furthermore, special parts which have purposes of fire-retardent (resistors), high-quality sound (capacitors), low noise (resistors), etc are used.

When replacing any of these components, be sure to use only

manufacturer's specified parts shown in the parts list.

- **The parenthesized indications in the Remarks columns specify the areas or colour. (Refer to the cover page for area or colour) Parts without these indications can be used for all areas.**
- **Capacitor values are in microfarads (μ F) unless specified otherwise, P= Pico-farads (pF), F= Farads.**
- **Resistance values are in ohms, unless specified otherwise, 1K= 1,000 (OHM).**
- **The marking (RTL) indicates that the Retention Time is limited for this items. After the discontinuation of this assembly in production, the item will continue to be available for a specific period of time. The retention period of a availability is dependent on the type of assembly, and in accordance with the laws governing part and product retention. After the end of this period, the assembly will no longer be available.**
- **[M] Indicates in the Remarks columns indicates parts supplied by PAVCSG.**
- **Reference for O/I book languages are as follows:**

Ar :	**Arabic**	**Du :**	**Dutch**	**It :**	**Italian**	**Sp :**	**Spanish**
Cf :	**Canadian French**	**En :**	**English**	**Ko :**	**Korean**	**Sw :**	**Swedish**
Cz :	**Czech**	**Fr :**	**French**	**Po :**	**Polish**	**Co :**	**Traditio Chinese**
Da :	**Danish**	**Ge :**	**German**	**Ru :**	**Russian**	**Cn :**	**Simplifie Chinese**
Pe :	**Persian**	**Ur:**	**Ukraine**				

Ref. No.	Part No.	Part Name & Description	Remarks
		CABINET AND CHASSIS	
1	REEV0092	16P FFC (DSP)	[M]
2	REEV0093	18P FFC (DAMP)	[M]
3	REEV0094	18P FFC (DSP)	[M]
4	REM0094	COOLING FAN	[M]
5	RGB0164-S	PANASONIC BADGE	[M]
6	RGKV0135-S	VOLUME RING	[M]
7	RGKV0147-S	INPUT SELECTOR ORN	[M]
8	RGLV0063-Q1	LED LIGHT GUIDE	[M]
9	RGPV0078A-K	FRONT PANEL	[M]EG-K/ E-K
9	RGPV0078A-S2	FRONT PANEL	[M]EG-S/ E-S
10	RGRV0043B-A1	REAR PANEL	[M]
11	RGUV0132A-K	FUNCTION BUTTON	[M]EG-K/ E-K
11	RGUV0132A-S	FUNCTION BUTTON	[M]EG-S/ E-S
12	RGUV0133-K	INPUT SELECTOR BTN	[M]EG-K/ E-K
12	RGUV0133-S	INPUT SELECTOR BTN	[M]EG-S/ E-S
13	RGWV0038-K	VOLUME KNOB	[M]EG-K/ E-K
13	RGWV0038-S1	VOLUME KNOB	[M]EG-S/ E-S
14	RHD26046-L	SCREW	[M]
15	RHD30007-1SJ	SCREW	[M]EG-S/ E-S
15	RHD30007-K2J	SCREW	[M]EG-K/ E-K
16	RHD30070	EARTH TERMINAL SCREW	[M]
17	RHD30111-3	SCREW	[M]
18	RHD30119-K	SCREW	[M]
19	RHDV30006	SCREW	[M]
20	RHGV0008	LEG CUSHION	[M]
21	RKAV0005-K	LEG CUSHION	[M]
22	RKMV0052-K	TOP CABINET	[M]EG-K/ E-K
22	RKMV0052-S2	TOP CABINET	[M]EG-S/ E-S
23	RKQV0001	PCB SPACER	[M]
24	RKWV0055-R	FL WINDOW	[M]
25	RKWV0057-K	REMOTE SENSOR WINDOW	[M]EG-K/ E-K
25	RKWV0057-S	REMOTE SENSOR WINDOW	[M]EG-S/ E-S
26	RMGV0029	SILICON PAD	[M]
27	RMKV0041A-1	CHASSIS FRAME	[M]
28	RMN0203	PCB HOLDER	[M]
29	RMNV0063-K	FL FOLDER	[M]
30	RMQV0052	IC CLAMP	[M]
31	RMY0316	POWER HEAT SINK	[M]
32	RXXV0020	L-SHAPE HEATSINK UNIT	[M]
33	RXXV0044	HEAT SINK UNIT	[M]
34	RMNV0076	PCB SPACER	[M]
35	SHR411	PLASTIC RIVET	[M]
36	XTB3+8JFJ	SCREW	[M]
37	XTW3+8TFJ	SCREW	[M]
38	XYN3+F10FJ	SCREW	[M]
		PRINTED CIRCUIT BOARDS	
	REPV0076A-T	DSP P.C.B. (SIDE A & B)	[M] (RTL)
	REPV0078B-M	MAIN P.C.B.	[M] (RTL)
	REPV0077B-T	DIGITAL AMP P.C.B.	[M] (RTL)
	REPV0078B-M	PANEL P.C.B.	[M] (RTL)

Ref. No.	Part No.	Part Name & Description	Remarks
	REPV0078B-M	VOLUME P.C.B.	[M] (RTL)
	REPV0078B-M	MUSIC PORT P.C.B.	[M] (RTL)
	REPV0085B-P	POWER P.C.B.	[M] (RTL)
	REPV0085B-P	AC IN P.C.B.	[M] (RTL)
		INTEGRATED CIRCUITS	
IC140	C1BB00000987	IC RDS	[M]
IC150	C1BB00001134	IC VOLUME ENCODER	[M]
IC151	C0ABBB000297	IC DUAL OP-AMP	[M]
IC152	C0CBAHG00011	IC VOLTAGE REGULATOR	[M]
IC200	C0ABBB000297	IC DUAL OP-AMP	[M]
IC202	C0ABBB000297	IC DUAL OP-AMP	[M]
IC203	C0ABBB000297	IC DUAL OP-AMP	[M]
IC205	C0ABBB000297	IC DUAL OP-AMP	[M]
IC207	C0ABBB000297	IC DUAL OP-AMP	[M]
IC208	C0ABBB000297	IC DUAL OP-AMP	[M]
IC301	C2CBYY000152	IC MICRO-PROCESSOR	[M]
IC401	C0HBB0000061	IC FL DRIVER	[M]
IC551	C1BA00000407	IC POWER AMP	[M]
IC552	C1BA00000407	IC POWER AMP	[M]
IC553	C1BA00000407	IC POWER AMP	[M]
IC554	C1BA00000407	IC POWER AMP	[M]
IC701	C5HABZZ00125	IC POWER SUPPLY	[M]
IC721	MIP2C10MSSCF	IC POWER SUPPLY	[M]
IC800	C0DAAYY00026	IC POWER SUPPLY	[M]
IC801	C0DAEMB00003	IC POWER SUPPLY	[M]
IC802	C0CBAEG00007	IC VOLTAGE REGULATOR	[M]
IC850	C0DAEMB00003	IC POWER SUPPLY	[M]
IC880	C0ABBB000342	IC DUAL OP-AMP	[M]
IC1001	C2HBZZ000015	IC AC3/DTS	[M]
IC1003	C0JBAB000633	IC LOGIC INVERTER	[M]
IC1004	C0JBAZ002160	IC LOGIC	[M]
IC1005	C0JBAZ002161	IC LOGIC	[M]
IC1101	C0FBZK000013	IC CODEC	[M]
IC1201	C0ABBB000297	IC DUAL OP-AMP	[M]
IC1202	C0ABBB000297	IC DUAL OP-AMP	[M]
IC1203	C0ABBB000297	IC DUAL OP-AMP	[M]
IC1701	C0CBAAG00004	IC REGULATOR	[M]
IC5400	C0JBAB000011	IC LOGIC	[M]
IC5401	C0JBAF000654	IC LOGIC	[M]
		TRANSISTORS	
Q200	B1GDCFJJ0008	TRANSISTOR	[M]
Q201	B1GDCFJJ0008	TRANSISTOR	[M]
Q202	B1GBCFJJ0007	TRANSISTOR	[M]
Q203	B1GBCFJJ0007	TRANSISTOR	[M]
Q204	B1ABDC000010	TRANSISTOR	[M]
Q205	B1ABDC000010	TRANSISTOR	[M]
Q206	B1ABDC000010	TRANSISTOR	[M]
Q207	B1ABDC000010	TRANSISTOR	[M]
Q208	B1GDCFJJ0008	TRANSISTOR	[M]
Q209	B1GBCFJJ0007	TRANSISTOR	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
Q211	B1ABDC000010	TRANSISTOR	[M]
Q212	B1ABDC000010	TRANSISTOR	[M]
Q213	B1ABDC000010	TRANSISTOR	[M]
Q214	2SD1915FTA	TRANSISTOR	[M]
Q215	2SD1915FTA	TRANSISTOR	[M]
Q216	B1ABDC000010	TRANSISTOR	[M]
Q301	B1GACFJN0007	TRANSISTOR	[M]
Q302	B1ABDC000010	TRANSISTOR	[M]
Q303	B1GBCFJA0028	TRANSISTOR	[M]
Q401	B1GDCFJJ0008	TRANSISTOR	[M]
Q403	B1GBCFJJ0007	TRANSISTOR	[M]
Q404	B1GDCFJJ0008	TRANSISTOR	[M]
Q591	B1ABCF000011	TRANSISTOR	[M]
Q592	B1ABCF000011	TRANSISTOR	[M]
Q701	2SC3940ARA	TRANSISTOR	[M]
Q723	B1AAGC000006	TRANSISTOR	[M]
Q800	B1ADCF000001	TRANSISTOR	[M]
Q802	2SB1548PQAU	TRANSISTOR	[M]
Q803	B1BACG000023	TRANSISTOR	[M]
Q804	B1BACG000023	TRANSISTOR	[M]
Q850	2SB0621AHA	TRANSISTOR	[M]
Q880	B1ABCF000011	TRANSISTOR	[M]
Q881	B1ADCF000001	TRANSISTOR	[M]
Q882	B1ABCF000011	TRANSISTOR	[M]
Q1001	B1GDCFJN0001	TRANSISTOR	[M]
Q1701	KTC3199GRTA	TRANSISTOR	[M]
Q1702	B1BACG000023	TRANSISTOR	[M]
Q1703	B1BACG000023	TRANSISTOR	[M]
Q5001	B1GDCFJJ0008	TRANSISTOR	[M]
Q5002	B1GBCFJJ0007	TRANSISTOR	[M]
Q5003	B1GBCFJJ0007	TRANSISTOR	[M]
Q5005	2SC3940ARA	TRANSISTOR	[M]
Q5006	B1GBCFJJ0007	TRANSISTOR	[M]
Q5007	2SC3940ARA	TRANSISTOR	[M]
Q5400	B1ADCF000001	TRANSISTOR	[M]
Q5401	B1ABCF000011	TRANSISTOR	[M]
Q5500	B1ABCF000011	TRANSISTOR	[M]
Q5501	2SB0621AHA	TRANSISTOR	[M]
Q5502	B1ABCF000011	TRANSISTOR	[M]
Q5503	B1GBCFJJ0007	TRANSISTOR	[M]
		DIODES	
D200	B0JCAE000001	DIODE	[M]
D201	B0ACCK000005	DIODE	[M]
D203	B0ACCK000005	DIODE	[M]
D204	B0JCAE000001	DIODE	[M]
D205	B0ACCK000005	DIODE	[M]
D206	B0JCAE000001	DIODE	[M]
D207	B0ACCK000005	DIODE	[M]
D302	B0ACCK000005	DIODE	[M]
D303	B0ACCE000003	DIODE	[M]
D304	B0ACCE000003	DIODE	[M]
D305	MAZ80390LL	DIODE	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
D306	B0ACCK000005	DIODE	[M]
D307	B0ACCK000005	DIODE	[M]
D401	B0ACCK000005	DIODE	[M]
D402	SLR342VC	DIODE	[M]
D403	MAZ80560ML	DIODE	[M]
D404	B0ACCK000005	DIODE	[M]
D405	B0ACCK000005	DIODE	[M]
D407	B0JCAE000001	DIODE	[M]
D410	B0ADCJ000020	DIODE	[M]
D701	B0FFAR000001	DIODE	[M]
D702	B0ZAZ0000052	DIODE	[M]
D703	B0BC02900004	DIODE	[M]
D704	B0JAME000025	DIODE	[M]
D705	B0HAJL000001	DIODE	[M]
D706	B0HAJL000001	DIODE	[M]
D707	B0BC035A0007	DIODE	[M]
D708	B0BC01700015	DIODE	[M]
D709	B0ACCK000005	DIODE	[M]
D710	B0HAJL000001	DIODE	[M]
D715	B0EDKT000009	DIODE	[M]
D721	B0HAJL000001	DIODE	[M]
D722	B0HAGR000002	DIODE	[M]
D723	B0JAJG000002	DIODE	[M]
D724	B0BC4R600016	DIODE	[M]
D728	B0ACCK000005	DIODE	[M]
D800	B0HAJL000001	DIODE	[M]
D801	B0HAJL000001	DIODE	[M]
D802	B0HANM000012	DIODE	[M]
D803	B0HAJL000001	DIODE	[M]
D804	B0HAJL000001	DIODE	[M]
D805	MA2Q73800L	DIODE	[M]
D806	B0BC8R100004	DIODE	[M]
D807	B0BC8R100004	DIODE	[M]
D808	B0ACCK000005	DIODE	[M]
D852	B0HAJL000001	DIODE	[M]
D853	B0HAJL000001	DIODE	[M]
D854	B0HANM000012	DIODE	[M]
D855	B0HASM000003	DIODE	[M]
D856	B0HASM000003	DIODE	[M]
D857	B0BC8R100004	DIODE	[M]
D858	B0BC02400011	DIODE	[M]
D880	B0BC01400019	DIODE	[M]
D1701	MAZ80620ML	DIODE	[M]
D5002	B0ACCK000005	DIODE	[M]
D5003	B0ACCK000005	DIODE	[M]
D5006	MAZ80620ML	DIODE	[M]
D5500	B0ACCK000005	DIODE	[M]
D5501	B0ACCK000005	DIODE	[M]
D5502	B0ACCK000005	DIODE	[M]
D5503	B0ACCK000005	DIODE	[M]
DZ701	ERZV10V511CS	ZENER	[M] ⚠
		VARIABLE RESISTOR	

Ref. No.	Part No.	Part Name & Description	Remarks
VR400	EVEKD2F3024B	VR ROTARY ENCODER	[M]
		SWITCHES	
S401	EVQ21405RJ	SW POWER	[M]
S402	EVQ21405RJ	SW < I/P SELECT	[M]
S403	EVQ21405RJ	SW I/P SELECT >	[M]
S404	EVQ21405RJ	SW ENTER	[M]
S406	EVQ21405RJ	SW MENU/-SETUP	[M]
S407	EVQ21405RJ	SW TUNE_DOWN	[M]
S408	EVQ21405RJ	SW TUNE_UP	[M]
		CONNECTORS	
CN200A	K1MN18A00046	18P CONNECTOR	[M]
CN200B	K1MN18A00046	18P CONNECTOR	[M]
CN400	K1MP07A00002	7P CONNECTOR	[M]
CN401	K1MP07A00002	7P CONNECTOR	[M]
CN402	K1MP08A00003	8P CONNECTOR	[M]
CN403A	K1MN16AA0003	16P FFC CONNECTOR	[M]
CN403B	K1MN16AA0003	16P FFC CONNECTOR	[M]
CN405	K1MP03A00012	3P CONNECTOR	[M]
CN800A	K1MP10A00007	10P MOLEX CONNECTOR	[M]
CN801	K1MP05A00009	5P CONNECTOR	[M]
CN802A	K1MP05A00009	5P CONNECTOR	[M]
CN850	K1KA10AA0319	10P CONNECTOR	[M]
CN904A	K1MN18A00046	18P CONNECTOR	[M]
CN904B	K1MN18A00046	18P CONNECTOR	[M]
CN906	K1MP04A00007	4P CONNECTOR	[M]
CN5500	K1KA02AA0186	2P FAN CONNECTOR	[M]
CP101	ENG07812QF	TUNER PACK	[M]
		COILS & TRANSFORMERS	
L101	G0A200D00002	RF CHOKE COIL	[M]
L140	J0JBC0000041	CHIP INDUCTOR	[M]
L141	J0JBC0000041	CHIP INDUCTOR	[M]
L401	J0JBC0000019	CHIP INDUCTOR	[M]
L402	J0JBC0000019	CHIP INDUCTOR	[M]
L403	J0JBC0000019	CHIP INDUCTOR	[M]
L404	J0JBC0000019	CHIP INDUCTOR	[M]
L405	J0JBC0000019	CHIP INDUCTOR	[M]
L406	J0JBC0000019	CHIP INDUCTOR	[M]
L500	ETQA15B220	CHOKE COIL	[M]
L502	ETQA15B220	CHOKE COIL	[M]
L503	ETQA15B220	CHOKE COIL	[M]
L504	ETQA17B150	CHOKE COIL	[M]
L505	ETQA17B150	CHOKE COIL	[M]
L506	ETQA17B150	CHOKE COIL	[M]
L507	ETQA17B150	CHOKE COIL	[M]
L701	ELF18N067E	COMMON MODE COIL	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Remarks
L702	ELF21N015E	COMMON MODE COIL	[M] ⚠
L703	ELF21N015E	COMMON MODE COIL	[M] ⚠
L800	G0A200D00002	RF CHOKE COIL	[M]
L801	G0A200D00002	RF CHOKE COIL	[M]
L802	G0A200D00002	RF CHOKE COIL	[M]
L803	G0A200D00002	RF CHOKE COIL	[M]
L804	G0A200D00002	RF CHOKE COIL	[M]
L805	G0A200D00002	RF CHOKE COIL	[M]
L806	G0A200D00002	RF CHOKE COIL	[M]
L850	G0A200D00002	RF CHOKE COIL	[M]
L851	G0A200D00002	RF CHOKE COIL	[M]
L852	G0A200D00002	RF CHOKE COIL	[M]
L1001	G1C2R2K00012	CHIP INDUCTOR	[M]
L1002	G1C2R2K00012	CHIP INDUCTOR	[M]
L1003	G1C2R2K00012	CHIP INDUCTOR	[M]
L1004	G1C2R2K00012	CHIP INDUCTOR	[M]
L1101	G1C2R2K00012	CHIP INDUCTOR	[M]
L1102	G1C2R2K00012	CHIP INDUCTOR	[M]
L1103	G1C2R2K00012	CHIP INDUCTOR	[M]
L1301	RLQZ150M-0	CHOKE COIL	[M]
L1302	G1C1R0MA0061	CHIP INDUCTOR	[M]
L5800	G0B9R5K00001	CHOKE COIL	[M]
L5801	G0B9R5K00001	CHOKE COIL	[M]
L5802	G0B9R5K00001	CHOKE COIL	[M]
L5803	G0B9R5K00001	CHOKE COIL	[M]
LB500	J0JKB0000020	EMI BEAD CORE	[M]
LB501	J0JKB0000020	EMI BEAD CORE	[M]
LB502	J0JKB0000020	EMI BEAD CORE	[M]
LB503	J0JKB0000020	EMI BEAD CORE	[M]
LB504	J0JKB0000020	EMI BEAD CORE	[M]
LB505	J0JKB0000020	EMI BEAD CORE	[M]
LB506	J0JKB0000020	EMI BEAD CORE	[M]
LB507	J0JKB0000020	EMI BEAD CORE	[M]
LB508	J0JKB0000020	EMI BEAD CORE	[M]
LB509	J0JKB0000020	EMI BEAD CORE	[M]
LB704	J0JKB0000020	EMI BEAD CORE	[M]
LB800	J0JKB0000020	EMI BEAD CORE	[M]
LB5400	J0JKB0000020	EMI BEAD CORE	[M]
T701	ETS48AA196AC	MAIN TRANSFORMER	[M] ⚠
T721	ETS19AB1X6AG	STANDBY TRANSFORMER	[M] ⚠
T800	ETS28AU379AC	SUB TRANSFORMER	[M] ⚠
		COMPONENT COMBINATIONS	
Z400	B3RAD0000087	REMOTE SENSOR	[M]
Z1101	J0JKB0000020	EMI BEAD CORE	[M]
PC701	B3PBA0000402	PHOTO COUPLER	[M]
PC721	B3PBA0000402	PHOTO COUPLER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
SNE1	K9ZZ00001279	EARTH PLATE	[M]
SNE2	K9ZZ00001279	EARTH PLATE	[M]
SNE3	K9ZZ00001279	EARTH PLATE	[M]
SNE4	K9ZZ00001279	EARTH PLATE	[M]
ZA701	EYF52BCY	FUSE CLIP	[M]
ZA702	EYF52BCY	FUSE CLIP	[M]
ZJ502	K9ZZ00001279	EARTH PLATE	[M]
ZJ701	K4CZ01000027	EARTH LUG	[M]
		CERAMIC FILTER	
CF301	H2A1005A0005	10MHZ RESONATOR	[M]
		RELAY	
RY721	K6B1AEA00003	PC POWER RELAY	[M] ⚠
		OSCILLATORS	
X140	H0H433400002	CRYSTAL	[M]
X1001	H0J122200002	CYRSTAL	[M]
X5400	H2A6023A0011	CERAMIC RESONATOR	[M]
X5401	H2A7003A0011	CERAMIC RESONATOR	[M]
		DISPLAY TUBE	
FL401	A2BB00000158	FL DISPLAY	[M]
		FUSE	
F1	K5D402BLA013	FUSE	[M] ⚠
		THERMISTOR	
TH701	D4CAC8R00002	THERMISTOR	[M]
		JACKS	
JK101	K4BK04H00008	JK 4P RCA	[M]
JK102	K4BK04H00008	JK 4P RCA	[M]
JK103	K2HA102B0086	JK 1P RCA	[M]
JK503	K4BC04B00084	JK SPEAKER 4P	[M]
JK504	K4BC06B00049	JK SPEAKER 6P	[M]
JK1301	B3RAB0000048	JK OPTICAL	[M]
JK1302	B3RAB0000048	JK OPTICAL	[M]
JK1303	K4BK01H00010	JK COAX INPUT	[M]
HP401	K2HC103A0024	JK HP	[M]
HP402	K2HC1YYA0005	JK MUSIC PORT	[M]
P701	K2AA2B000015	JK AC INLET	[M] ⚠

Ref. No.	Part No.	Part Name & Description	Remarks
		WIRE	
JW400	RWJ1807100SQ	7P WIRE (POWER-I/O)	[M]
JW401	RWJ1815130SQ	15P WIRE (PANEL-MAIN)	[M]
JW405	RWJ1803220SQ	3P WIRE	[M]
JW700	REEV0122	PRIMARY WIRE (RED)	[M]
JW701	REEV0123	PRIMARY WIRE (WHITE)	[M]
JW800	RWJ1810100SQ	10P WIRE	[M]
JW801	RWJ1805110SQ	5P WIRE (PANEL-P)W	[M]
JW802	RWJ1805110SQ	5P WIRE (PANEL-P)W	[M]
JW850	REXV0069	10P WIRE (PWR-DAM)	[M]
JW906	RWJ1804110SQ	4P MAIN-DSP	[M]
ZJ100	REX1161-1	WIRE	[M]
ZJ101	REXV0071-1	GROUNDING WIRE	[M]
		PACKING MATERIALS	
P1	RPGV0264	PACKING CASE	[M]EG-S/E-S
P1	RPGV0318	PACKING CASE	[M]EG-K/E-K
P2	RPNV0093-1	POLYFOAM	[M]
P3	VPF1122-1	POLYBAG	[M]
		ACCESSORIES	
A1	N2QAYB000010	REMOTE CONTROL	[M]
A1-1	RKK-HTR0051K	R/C BATTERY COVER	[M]
A2	K2CQ2CA00006	AC CORD	[M] ⚠
A3	RQTV0107-1D	O/I BOOK (Fr/ It/ Ge)	[M]EG-K/ EG-S
A3	RQTV0108-1H	O/I BOOK (Sw/ Da/ Du/ Sp)	[M]EG-K/ EG-S
A3	RQTV0109-1E	O/I BOOK (Cz/ Po/ En)	[M]E-K/ E-S
A4	RSA0007-L	FM ANTENNA WIRE	[M]
A5	N1DAAAA00002	AM LOOP ANTENNA	[M]
		RESISTORS	
R101	ERJ3GEYJ102V	1K 1/16W	[M]
R102	ERJ3GEYJ102V	1K 1/16W	[M]
R103	ERJ3GEYJ102V	1K 1/16W	[M]
R104	ERJ3GEYJ102V	1K 1/16W	[M]
R105	ERJ3GEYJ102V	1K 1/16W	[M]
R106	ERJ3GEYJ102V	1K 1/16W	[M]
R107	ERJ3GEYJ102V	1K 1/16W	[M]
R108	ERJ3GEYJ102V	1K 1/16W	[M]
R110	ERJ3GEYJ102V	1K 1/16W	[M]
R131	D0GB473JA041	47K 1/16W	[M]
R132	D0GB473JA041	47K 1/16W	[M]
R133	ERJ3GEYJ102V	1K 1/16W	[M]
R134	ERJ3GEYJ102V	1K 1/16W	[M]
R140	ERJ3GEYJ102V	1K 1/16W	[M]
R141	D0GB104JA007	100K 1/16W	[M]
R142	D0GB104JA007	100K 1/16W	[M]
R143	ERJ3GEYJ102V	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R144	ERJ3GEYJ102V	1K 1/16W	[M]
R151	ERJ3GEYJ103V	10K 1/16W	[M]
R152	ERJ3GEYJ103V	10K 1/16W	[M]
R153	ERJ3GEYJ103V	10K 1/16W	[M]
R154	ERJ3GEYJ103V	10K 1/16W	[M]
R201	D0GB332JA007	3.3K 1/16W	[M]
R202	D0GB332JA007	3.3K 1/16W	[M]
R203	D0GB683JA007	68K 1/16W	[M]
R204	D0GB683JA007	68K 1/16W	[M]
R205	D0GB151JA007	150 1/16W	[M]
R206	D0GB151JA007	150 1/16W	[M]
R207	D0GB151JA007	150 1/16W	[M]
R208	D0GB151JA007	150 1/16W	[M]
R209	D0GB560JA007	56 1/16W	[M]
R210	D0GB560JA007	56 1/16W	[M]
R211	D0GB560JA007	56 1/16W	[M]
R212	D0GB560JA007	56 1/16W	[M]
R213	ERJ3GEYJ102V	1K 1/16W	[M]
R214	ERJ3GEYJ102V	1K 1/16W	[M]
R221	D0GB123JA007	12K 1/16W	[M]
R222	D0GB123JA007	12K 1/16W	[M]
R223	D0GB562JA007	5.6K 1/16W	[M]
R224	D0GB562JA007	5.6K 1/16W	[M]
R225	D0GB123JA007	12K 1/16W	[M]
R226	D0GB123JA007	12K 1/16W	[M]
R227	D0GB153JA007	15K 1/16W	[M]
R228	D0GB153JA007	15K 1/16W	[M]
R229	D0GB473JA041	47K 1/16W	[M]
R230	D0GB222JA041	2.2K 1/16W	[M]
R235	D0GB392JA007	3.9K 1/16W	[M]
R236	ERJ3GEYJ102V	1K 1/16W	[M]
R237	D0GB332JA007	3.3K 1/16W	[M]
R239	ERJ3GEYJ102V	1K 1/16W	[M]
R242	ERJ3GEYJ102V	1K 1/16W	[M]
R243	D0GB474JA041	470K 1/16W	[M]
R244	ERJ3GEYJ822V	8.2K 1/16W	[M]
R245	ERJ3GEYJ102V	1K 1/16W	[M]
R247	ERJ3GEYJ102V	1K 1/16W	[M]
R248	ERJ3GEYJ822V	8.2K 1/16W	[M]
R249	D0GB474JA041	470K 1/16W	[M]
R254	D0GB473JA041	47K 1/16W	[M]
R255	D0GB473JA041	47K 1/16W	[M]
R256	D0GB104JA007	100K 1/16W	[M]
R257	D0GB104JA007	100K 1/16W	[M]
R258	ERJ3GEYJ102V	1K 1/16W	[M]
R259	ERJ3GEYJ102V	1K 1/16W	[M]
R260	D0GB223JA041	22K 1/16W	[M]
R261	D0GB223JA041	22K 1/16W	[M]
R263	D0GB473JA041	47K 1/16W	[M]
R264	D0GB473JA041	47K 1/16W	[M]
R265	D0GB223JA041	22K 1/16W	[M]
R266	D0GB223JA041	22K 1/16W	[M]
R267	D0GB223JA041	22K 1/16W	[M]
R268	D0GB473JA041	47K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R270	ERJ3GEYJ102V	1K 1/16W	[M]
R272	ERJ3GEYJ102V	1K 1/16W	[M]
R273	ERJ3GEYJ102V	1K 1/16W	[M]
R275	ERJ3GEYJ103V	10K 1/16W	[M]
R276	ERJ3GEYJ103V	10K 1/16W	[M]
R277	D0GB223JA007	22K 1/16W	[M]
R278	ERJ3GEYJ102V	1K 1/16W	[M]
R279	ERJ3GEYJ102V	1K 1/16W	[M]
R280	D0GB153JA007	15K 1/16W	[M]
R281	D0GB393JA007	39K 1/16W	[M]
R282	D0GB332JA007	3.3K 1/16W	[M]
R283	D0GB332JA007	3.3K 1/16W	[M]
R284	D0GB473JA041	47K 1/16W	[M]
R285	D0GB473JA041	47K 1/16W	[M]
R286	ERJ3GEYJ822V	8.2K 1/16W	[M]
R287	D0GB474JA041	470K 1/16W	[M]
R289	ERJ3GEYJ102V	1K 1/16W	[M]
R290	ERJ3GEYJ102V	1K 1/16W	[M]
R291	ERJ3GEYJ102V	1K 1/16W	[M]
R292	ERJ3GEYJ102V	1K 1/16W	[M]
R293	ERJ3GEYJ102V	1K 1/16W	[M]
R294	ERJ3GEYJ102V	1K 1/16W	[M]
R295	ERJ3GEY0R00V	0 1/16W	[M]
R296	ERJ3GEY0R00V	0 1/16W	[M]
R297	ERJ3GEYJ102V	1K 1/16W	[M]
R298	ERJ3GEYJ102V	1K 1/16W	[M]
R299	D0GB152JA007	1.5K 1/16W	[M]
R301	ERJ3GEYJ103V	10K 1/16W	[M]
R302	ERJ3GEYJ103V	10K 1/16W	[M]
R303	D0GB333JA007	33K 1/16W	[M]
R304	D0GB333JA007	33K 1/16W	[M]
R305	ERJ3GEYJ102V	1K 1/16W	[M]
R306	ERJ3GEYJ102V	1K 1/16W	[M]
R307	ERJ3GEYJ103V	10K 1/16W	[M]
R308	ERJ3GEYJ103V	10K 1/16W	[M]
R309	D0GB472JA041	4.7K 1/16W	[M]
R310	D0GB473JA041	47K 1/16W	[M]
R311	ERJ3GEYJ103V	10K 1/16W	[M]
R312	ERJ3GEYJ103V	10K 1/16W	[M]
R313	D0GB273JA007	27K 1/16W	[M]
R314	D0GB472JA041	4.7K 1/16W	[M]
R315	ERJ3GEYJ103V	10K 1/16W	[M]
R316	ERJ3GEYJ103V	10K 1/16W	[M]
R317	ERJ3GEYJ103V	10K 1/16W	[M]
R318	ERJ3GEYJ103V	10K 1/16W	[M]
R323	D0GB271JA007	270 1/16W	[M]
R324	D0GB121JA007	120 1/16W	[M]
R402	D0GB104JA007	100K 1/16W	[M]
R403	D0GB332JA007	3.3K 1/16W	[M]
R404	ERJ3GEYJ822V	8.2K 1/16W	[M]
R405	D0GB271JA007	270 1/16W	[M]
R406	ERJ3GEYJ102V	1K 1/16W	[M]
R407	ERJ3GEYJ102V	1K 1/16W	[M]
R408	ERJ3GEYJ102V	1K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R409	ERJ3GEYJ102V	1K 1/16W	[M]
R411	D0GB101JA007	100 1/16W	[M]
R412	D0GB152JA007	1.5K 1/16W	[M]
R500	D0GB562JA007	5.6K 1/16W	[M]
R502	D0GB562JA007	5.6K 1/16W	[M]
R504	ERJ8GEYJ100V	10 1/8W	[M]
R506	ERG2SJ220E	22 2W	[M]
R510	D0GB223JA041	22K 1/16W	[M]
R512	D0GB683JA007	68K 1/16W	[M]
R514	ERJ8GEYJ100V	10 1/8W	[M]
R515	ERJ8GEYJ100V	10 1/8W	[M]
R520	D0GB562JA007	5.6K 1/16W	[M]
R521	D0GB562JA007	5.6K 1/16W	[M]
R522	D0GB562JA007	5.6K 1/16W	[M]
R523	D0GB562JA007	5.6K 1/16W	[M]
R524	ERJ8GEYJ100V	10 1/8W	[M]
R525	ERJ8GEYJ100V	10 1/8W	[M]
R526	ERG2SJ220E	22 2W	[M]
R527	ERG2SJ220E	22 2W	[M]
R529	D0GB124JA007	120K 1/16W	[M]
R530	D0GB223JA041	22K 1/16W	[M]
R532	D0GB683JA007	68K 1/16W	[M]
R534	ERJ8GEYJ100V	10 1/8W	[M]
R535	ERJ8GEYJ100V	10 1/8W	[M]
R541	D0GB562JA007	5.6K 1/16W	[M]
R543	D0GB562JA007	5.6K 1/16W	[M]
R544	ERJ8GEYJ100V	10 1/8W	[M]
R545	ERJ8GEYJ100V	10 1/8W	[M]
R546	ERG2SJ220E	22 2W	[M]
R547	ERG2SJ220E	22 2W	[M]
R549	D0GB124JA007	120K 1/16W	[M]
R550	D0GB223JA041	22K 1/16W	[M]
R552	D0GB683JA007	68K 1/16W	[M]
R554	ERJ8GEYJ100V	10 1/8W	[M]
R555	ERJ8GEYJ100V	10 1/8W	[M]
R561	D0GB562JA007	5.6K 1/16W	[M]
R563	D0GB562JA007	5.6K 1/16W	[M]
R564	ERJ8GEYJ100V	10 1/8W	[M]
R565	ERJ8GEYJ100V	10 1/8W	[M]
R566	ERG2SJ220E	22 2W	[M]
R567	ERG2SJ220E	22 2W	[M]
R569	D0GB124JA007	120K 1/16W	[M]
R570	D0GB223JA041	22K 1/16W	[M]
R572	D0GB683JA007	68K 1/16W	[M]
R574	ERJ8GEYJ100V	10 1/8W	[M]
R575	ERJ8GEYJ100V	10 1/8W	[M]
R702	ERG2SJ683P	68K 2W	[M]
R703	ERJ6GEYJ681V	680 1/10W	[M]
R704	ERX2LJ68MP	0.68 2W	[M]
R705	ERX2LJ56MP	0.56 2W	[M]
R706	D0AF333JA039	33K 1/4W	[M]
R707	D0AF333JA039	33K 1/4W	[M]
R708	ERJ6GEYJ332V	3.3K 1/10W	[M]
R709	ERJ6GEYJ222V	2.2K 1/10W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R710	ERJ6GEYJ103V	10K 1/10W	[M]
R711	ERJ6GEYJ220V	22 1/10W	[M]
R712	ERJ6GEYJ222V	2.2K 1/10W	[M]
R726	ERJ6GEYJ332V	3.3K 1/10W	[M]
R727	ERJ6GEYJ102V	1K 1/10W	[M]
R751	ERDS1TJ474T	470K 1/2W	[M]
R771	ERJ6GEYJ220V	22 1/10W	[M]
R772	ERJ6GEYJ104V	100K 1/10W	[M]
R773	D0GB474JA041	470K 1/16W	[M]
R774	D0GB153JA007	15K 1/16W	[M]
R775	ERJ3GEYJ681V	680 1/16W	[M]
R776	D0GB471JA041	470 1/16W	[M]
R800	D0AF100JA039	10 1/4W	[M]
R801	ERDS1FVJ222T	2.2K 1/2W	[M]
R802	ERX2LJ68MP	0.68 2W	[M]
R803	ERJ3GEYJ681V	680 1/16W	[M]
R804	D0GB332JA007	3.3K 1/16W	[M]
R805	D0GB332JA007	3.3K 1/16W	[M]
R806	D0GB222JA041	2.2K 1/16W	[M]
R807	D0GB222JA041	2.2K 1/16W	[M]
R808	D0GB222JA041	2.2K 1/16W	[M]
R809	D0GB472JA041	4.7K 1/16W	[M]
R810	D0GB222JA041	2.2K 1/16W	[M]
R811	D0GB471JA041	470 1/16W	[M]
R817	D0GB471JA041	470 1/16W	[M]
R818	D0GB471JA041	470 1/16W	[M]
R819	D0GB101JA007	100 1/16W	[M]
R820	D0GB101JA007	100 1/16W	[M]
R852	D0GB101JA007	100 1/16W	[M]
R853	ERJ3GEYG223V	22K 1/16W	[M]
R858	ERJ3GEYG222V	2.2K 1/16W	[M]
R859	D0GB101JA007	100 1/16W	[M]
R860	ERJ3GEYJ103V	10K 1/16W	[M]
R864	ERJ6GEYJ332V	3.3K 1/10W	[M]
R867	ERDS1FVJ3R9T	3.9 1/2W	[M]
R868	ERJ3GEYJ122V	1.2K 1/16W	[M]
R879	ERJ3GEY0R00V	0 1/16W	[M]
R880	ERDS1FVJ182T	1.8K 1/2W	[M]
R881	D0GB222JA041	2.2K 1/16W	[M]
R882	ERJ3GEYJ102V	1K 1/16W	[M]
R883	ERJ3GEYJ103V	10K 1/16W	[M]
R884	ERJ3GEYJ103V	10K 1/16W	[M]
R885	ERJ3GEYJ103V	10K 1/16W	[M]
R886	ERJ3GEYJ103V	10K 1/16W	[M]
R887	D0GB104JA007	100K 1/16W	[M]
R888	D0GB124JA007	120K 1/16W	[M]
R889	D0GB472JA041	4.7K 1/16W	[M]
R890	D0GB562JA007	5.6K 1/16W	[M]
R891	ERX2LJ22MP	0.22 2W	[M]
R892	ERX2LJ22MP	0.22 2W	[M]
R893	D0GB332JA007	3.3K 1/16W	[M]
R894	D0GB223JA041	22K 1/16W	[M]
R895	ERJ3GEYJ103V	10K 1/16W	[M]
R896	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R897	D0GB101JA007	100 1/16W	[M]
R898	D0GB104JA007	100K 1/16W	[M]
R899	ERJ3GEYJ103V	10K 1/16W	[M]
R1001	D0GB332JA007	3.3K 1/16W	[M]
R1002	D0GB332JA007	3.3K 1/16W	[M]
R1003	ERJ3GEYJ103V	10K 1/16W	[M]
R1004	D0GB332JA007	3.3K 1/16W	[M]
R1005	D0GB332JA007	3.3K 1/16W	[M]
R1006	ERJ3GEYJ103V	10K 1/16W	[M]
R1007	ERJ3GEYJ103V	10K 1/16W	[M]
R1008	ERJ3GEYJ103V	10K 1/16W	[M]
R1009	ERJ3GEYJ103V	10K 1/16W	[M]
R1010	ERJ3GEYJ103V	10K 1/16W	[M]
R1011	ERJ3GEYJ103V	10K 1/16W	[M]
R1012	ERJ3GEYJ103V	10K 1/16W	[M]
R1013	ERJ3GEYJ103V	10K 1/16W	[M]
R1014	ERJ3GEYJ103V	10K 1/16W	[M]
R1015	D0GB472JA041	4.7K 1/16W	[M]
R1016	D0GB333JA007	33K 1/16W	[M]
R1017	D0GB472JA041	4.7K 1/16W	[M]
R1018	D0GB330JA007	33 1/16W	[M]
R1019	ERJ3GEYJ102V	1K 1/16W	[M]
R1020	ERJ3GEYJ102V	1K 1/16W	[M]
R1021	ERJ3GEYJ102V	1K 1/16W	[M]
R1022	ERJ3GEYJ102V	1K 1/16W	[M]
R1023	D0GB105JA007	1M 1/16W	[M]
R1024	ERJ3GEYJ102V	1K 1/16W	[M]
R1025	ERJ3GEY0R00V	0 1/16W	[M]
R1026	D0GB104JA007	100K 1/16W	[M]
R1027	D0GB104JA007	100K 1/16W	[M]
R1028	D0GB330JA007	33 1/16W	[M]
R1029	ERJ3GEYJ102V	1K 1/16W	[M]
R1030	ERJ3GEYJ102V	1K 1/16W	[M]
R1101	ERJ3GEY0R00V	0 1/16W	[M]
R1106	D0GB332JA007	3.3K 1/16W	[M]
R1108	ERJ3GEY0R00V	0 1/16W	[M]
R1109	ERJ3GEY0R00V	0 1/16W	[M]
R1110	ERJ3GEY0R00V	0 1/16W	[M]
R1111	D0GB104JA007	100K 1/16W	[M]
R1112	ERJ3GEY0R00V	0 1/16W	[M]
R1113	ERJ3GEY0R00V	0 1/16W	[M]
R1114	ERJ3GEYJ122V	1.2K 1/16W	[M]
R1115	ERJ3GEYJ122V	1.2K 1/16W	[M]
R1116	ERJ3GEYJ122V	1.2K 1/16W	[M]
R1117	ERJ3GEYJ122V	1.2K 1/16W	[M]
R1118	D0GB152JA007	1.5K 1/16W	[M]
R1119	D0GB152JA007	1.5K 1/16W	[M]
R1120	D0GB152JA007	1.5K 1/16W	[M]
R1121	D0GB152JA007	1.5K 1/16W	[M]
R1122	D0GB272JA007	2.7K 1/16W	[M]
R1123	D0GB332JA007	3.3K 1/16W	[M]
R1124	D0GB332JA007	3.3K 1/16W	[M]
R1125	D0GB272JA007	2.7K 1/16W	[M]
R1201	D0GB562JA007	5.6K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1202	D0GB562JA007	5.6K 1/16W	[M]
R1203	D0GB562JA007	5.6K 1/16W	[M]
R1204	D0GB562JA007	5.6K 1/16W	[M]
R1205	D0GB562JA007	5.6K 1/16W	[M]
R1206	D0GB562JA007	5.6K 1/16W	[M]
R1207	D0GB152JA007	1.5K 1/16W	[M]
R1208	D0GB152JA007	1.5K 1/16W	[M]
R1209	D0GB152JA007	1.5K 1/16W	[M]
R1210	D0GB152JA007	1.5K 1/16W	[M]
R1211	D0GB152JA007	1.5K 1/16W	[M]
R1212	D0GB152JA007	1.5K 1/16W	[M]
R1213	D0GB152JA007	1.5K 1/16W	[M]
R1214	D0GB152JA007	1.5K 1/16W	[M]
R1215	D0GB152JA007	1.5K 1/16W	[M]
R1216	D0GB152JA007	1.5K 1/16W	[M]
R1217	D0GB152JA007	1.5K 1/16W	[M]
R1218	D0GB152JA007	1.5K 1/16W	[M]
R1219	ERJ3GEYJ102V	1K 1/16W	[M]
R1220	ERJ3GEYJ102V	1K 1/16W	[M]
R1221	ERJ3GEYJ102V	1K 1/16W	[M]
R1222	ERJ3GEYJ102V	1K 1/16W	[M]
R1223	ERJ3GEYJ102V	1K 1/16W	[M]
R1224	ERJ3GEYJ102V	1K 1/16W	[M]
R1225	D0GB272JA007	2.7K 1/16W	[M]
R1226	D0GB562JA007	5.6K 1/16W	[M]
R1227	D0GB272JA007	2.7K 1/16W	[M]
R1228	D0GB562JA007	5.6K 1/16W	[M]
R1229	D0GB272JA007	2.7K 1/16W	[M]
R1230	D0GB562JA007	5.6K 1/16W	[M]
R1231	D0GB562JA007	5.6K 1/16W	[M]
R1232	D0GB272JA007	2.7K 1/16W	[M]
R1233	D0GB562JA007	5.6K 1/16W	[M]
R1234	D0GB272JA007	2.7K 1/16W	[M]
R1235	D0GB562JA007	5.6K 1/16W	[M]
R1236	D0GB272JA007	2.7K 1/16W	[M]
R1237	D0GB473JA041	47K 1/16W	[M]
R1238	D0GB473JA041	47K 1/16W	[M]
R1239	D0GB473JA041	47K 1/16W	[M]
R1240	D0GB473JA041	47K 1/16W	[M]
R1241	D0GB473JA041	47K 1/16W	[M]
R1242	D0GB473JA041	47K 1/16W	[M]
R1301	ERJ3GEYJ750V	75 1/16W	[M]
R1302	D0GB100JA007	10 1/16W	[M]
R1303	D0GB100JA007	10 1/16W	[M]
R1401	ERJ3GEY0R00V	0 1/16W	[M]
R1402	ERJ3GEY0R00V	0 1/16W	[M]
R1403	ERJ3GEY0R00V	0 1/16W	[M]
R1404	ERJ3GEY0R00V	0 1/16W	[M]
R1405	ERJ3GEY0R00V	0 1/16W	[M]
R1406	ERJ3GEY0R00V	0 1/16W	[M]
R1407	ERJ3GEY0R00V	0 1/16W	[M]
R1408	ERJ3GEY0R00V	0 1/16W	[M]
R1409	ERJ3GEY0R00V	0 1/16W	[M]
R1410	ERJ3GEY0R00V	0 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R1411	ERJ3GEY0R00V	0 1/16W	[M]
R1412	ERJ3GEY0R00V	0 1/16W	[M]
R1510	D0GB224JA007	220K 1/16W	[M]
R1520	D0GB224JA007	220K 1/16W	[M]
R1530	D0GB224JA007	220K 1/16W	[M]
R1540	D0GB224JA007	220K 1/16W	[M]
R1701	D0GB151JA007	150 1/16W	[M]
R1702	D0GB272JA007	2.7K 1/16W	[M]
R1703	D0AF4R7JA039	4.7 1/4W	[M]
R1704	D0AF4R7JA039	4.7 1/4W	[M]
R2150	D0GB473JA041	47K 1/16W	[M]
R2151	D0GB223JA041	22K 1/16W	[M]
R2152	D0GB223JA041	22K 1/16W	[M]
R2153	D0GB223JA041	22K 1/16W	[M]
R2154	D0GB473JA041	47K 1/16W	[M]
R2160	D0GB473JA041	47K 1/16W	[M]
R3050	ERJ3GEYJ102V	1K 1/16W	[M]
R3051	ERJ3GEYJ102V	1K 1/16W	[M]
R3052	ERJ3GEYJ102V	1K 1/16W	[M]
R3053	ERJ3GEYJ102V	1K 1/16W	[M]
R3054	ERJ3GEYJ102V	1K 1/16W	[M]
R3055	ERJ3GEYJ102V	1K 1/16W	[M]
R3056	D0GB332JA007	3.3K 1/16W	[M]
R3057	ERJ3GEYJ103V	10K 1/16W	[M]
R3058	ERJ3GEYJ102V	1K 1/16W	[M]
R3065	ERJ3GEYJ103V	10K 1/16W	[M]
R3070	ERJ3GEYJ103V	10K 1/16W	[M]
R3071	D0GB473JA041	47K 1/16W	[M]
R3072	D0GB473JA041	47K 1/16W	[M]
R3073	ERJ3GEYJ103V	10K 1/16W	[M]
R3074	ERJ3GEYJ103V	10K 1/16W	[M]
R3075	ERJ3GEYJ103V	10K 1/16W	[M]
R3076	ERJ3GEYJ103V	10K 1/16W	[M]
R3077	D0GB473JA041	47K 1/16W	[M]
R3129	ERJ3GEYJ103V	10K 1/16W	[M]
R3130	ERJ3GEYJ103V	10K 1/16W	[M]
R3131	ERJ3GEYJ681V	680 1/16W	[M]
R3184	ERJ3GEYJ103V	10K 1/16W	[M]
R3185	ERJ3GEYJ103V	10K 1/16W	[M]
R4030	D0GB222JA041	2.2K 1/16W	[M]
R4033	D0GB332JA007	3.3K 1/16W	[M]
R4034	D0GB222JA041	2.2K 1/16W	[M]
R4061	D0GB823JA007	82K 1/16W	[M]
R5002	D0GB332JA007	3.3K 1/16W	[M]
R5003	D0GB332JA007	3.3K 1/16W	[M]
R5004	D0GB332JA007	3.3K 1/16W	[M]
R5005	D0GB332JA007	3.3K 1/16W	[M]
R5007	ERJ3GEYJ103V	10K 1/16W	[M]
R5008	ERG3SJ470P	47 3W	[M]
R5009	D0GB152JA007	1.5K 1/16W	[M]
R5010	ERG3SJ470P	47 3W	[M]
R5011	ERG3SJ470P	47 3W	[M]
R5400	ERJ3GEYJ102V	1K 1/16W	[M]
R5401	ERJ3GEYJ103V	10K 1/16W	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
R5402	D0GB4R7JA007	4.7 1/16W	[M]
R5403	D0GB104JA007	100K 1/16W	[M]
R5404	D0GB104JA007	100K 1/16W	[M]
R5405	ERJ3GEYJ682V	6.8K 1/16W	[M]
R5406	D0GB105JA007	1M 1/16W	[M]
R5407	D0GB220JA007	22 1/16W	[M]
R5408	D0GB104JA007	100K 1/16W	[M]
R5500	D0GB104JA007	100K 1/16W	[M]
R5501	ERJ3GEYJ103V	10K 1/16W	[M]
R5503	D0GB562JA007	5.6K 1/16W	[M]
R5504	D0GB472JA041	4.7K 1/16W	[M]
R5505	ERJ3GEYJ102V	1K 1/16W	[M]
R5506	ERJ3GEYJ103V	10K 1/16W	[M]
R5507	D0GB563JA007	56K 1/16W	[M]
R5508	ERJ3GEYJ103V	10K 1/16W	[M]
R5509	D0GB563JA007	56K 1/16W	[M]
R5510	D0AF820JA039	82 1/4W	[M]
R5512	D0GB473JA041	47K 1/16W	[M]
R5513	D0GB473JA041	47K 1/16W	[M]
R5700	D0GB472JA041	4.7K 1/16W	[M]
R5800	ERDS1FVJ1R0T	1 1/2W	[M]
K114	ERJ6GEY0R00V	CHIP JUMPER	[M]
K115	ERJ6GEY0R00V	CHIP JUMPER	[M]
W68	ERJ8GEY0R00V	CHIP JUMPER	[M]
W501	ERJ6GEY0R00V	CHIP JUMPER	[M]
W503	ERJ3GEY0R00V	CHIP JUMPER	[M]
W509	ERJ6GEY0R00V	CHIP JUMPER	[M]
W510	ERJ6GEY0R00V	CHIP JUMPER	[M]
W511	ERJ8GEY0R00V	CHIP JUMPER	[M]
W514	ERJ8GEY0R00V	CHIP JUMPER	[M]
W517	ERJ8GEY0R00V	CHIP JUMPER	[M]
W518	ERJ3GEY0R00V	CHIP JUMPER	[M]
W520	ERJ8GEY0R00V	CHIP JUMPER	[M]
W521	ERJ8GEY0R00V	CHIP JUMPER	[M]
W522	ERJ3GEY0R00V	CHIP JUMPER	[M]
W523	ERJ6GEY0R00V	CHIP JUMPER	[M]
W524	ERJ8GEY0R00V	CHIP JUMPER	[M]
W525	ERJ8GEY0R00V	CHIP JUMPER	[M]
W526	ERJ6GEY0R00V	CHIP JUMPER	[M]
W527	ERJ6GEY0R00V	CHIP JUMPER	[M]
W528	ERJ3GEY0R00V	CHIP JUMPER	[M]
W529	ERJ8GEY0R00V	CHIP JUMPER	[M]
W530	ERJ3GEY0R00V	CHIP JUMPER	[M]
W531	ERJ8GEY0R00V	CHIP JUMPER	[M]
W532	ERJ6GEY0R00V	CHIP JUMPER	[M]
W533	ERJ6GEY0R00V	CHIP JUMPER	[M]
W534	ERJ8GEY0R00V	CHIP JUMPER	[M]
W535	ERJ8GEY0R00V	CHIP JUMPER	[M]
W536	ERJ8GEY0R00V	CHIP JUMPER	[M]
W537	ERJ8GEY0R00V	CHIP JUMPER	[M]
W538	ERJ6GEY0R00V	CHIP JUMPER	[M]
W539	ERJ8GEY0R00V	CHIP JUMPER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
W540	ERJ8GEY0R00V	CHIP JUMPER	[M]
W541	ERJ6GEY0R00V	CHIP JUMPER	[M]
W542	ERJ6GEY0R00V	CHIP JUMPER	[M]
W543	ERJ6GEY0R00V	CHIP JUMPER	[M]
W544	ERJ8GEY0R00V	CHIP JUMPER	[M]
W545	ERJ3GEY0R00V	CHIP JUMPER	[M]
W546	ERJ3GEY0R00V	CHIP JUMPER	[M]
W547	ERJ6GEY0R00V	CHIP JUMPER	[M]
W549	ERJ8GEY0R00V	CHIP JUMPER	[M]
W550	ERJ8GEY0R00V	CHIP JUMPER	[M]
W551	ERJ6GEY0R00V	CHIP JUMPER	[M]
W552	ERJ6GEY0R00V	CHIP JUMPER	[M]
W553	ERJ6GEY0R00V	CHIP JUMPER	[M]
W554	ERJ3GEY0R00V	CHIP JUMPER	[M]
W555	ERJ3GEY0R00V	CHIP JUMPER	[M]
W556	ERJ3GEY0R00V	CHIP JUMPER	[M]
W557	ERJ3GEY0R00V	CHIP JUMPER	[M]
W558	ERJ3GEY0R00V	CHIP JUMPER	[M]
W559	ERJ6GEY0R00V	CHIP JUMPER	[M]
W560	ERJ6GEY0R00V	CHIP JUMPER	[M]
W561	ERJ6GEY0R00V	CHIP JUMPER	[M]
W562	ERJ3GEY0R00V	CHIP JUMPER	[M]
W563	ERJ6GEY0R00V	CHIP JUMPER	[M]
W564	ERJ3GEY0R00V	CHIP JUMPER	[M]
W565	ERJ3GEY0R00V	CHIP JUMPER	[M]
W601	ERJ3GEY0R00V	CHIP JUMPER	[M]
W602	ERJ3GEY0R00V	CHIP JUMPER	[M]
W603	ERJ3GEY0R00V	CHIP JUMPER	[M]
W604	ERJ3GEY0R00V	CHIP JUMPER	[M]
W605	ERJ3GEY0R00V	CHIP JUMPER	[M]
W607	ERJ3GEY0R00V	CHIP JUMPER	[M]
W608	ERJ8GEY0R00V	CHIP JUMPER	[M]
W651	ERJ3GEY0R00V	CHIP JUMPER	[M]
W850	ERJ3GEY0R00V	CHIP JUMPER	[M]
W851	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA500	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA501	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA502	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA504	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA506	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA510	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA511	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA512	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA514	ERJ6GEY0R00V	CHIP JUMPER	[M]
WA521	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA524	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA525	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA527	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA530	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA531	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA532	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA533	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA534	ERJ3GEY0R00V	CHIP JUMPER	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
WA535	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA537	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA538	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA539	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA540	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA541	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA542	ERJ3GEY0R00V	CHIP JUMPER	[M]
WA543	ERJ3GEY0R00V	CHIP JUMPER	[M]
		CAPACITORS	
C101	ECJ1VC1H821J	820P 50V	[M]
C102	ECJ1VC1H821J	820P 50V	[M]
C103	F1H1H101A230	100P 50V	[M]
C104	F1H1H101A230	100P 50V	[M]
C105	ECJ1VC1H821J	820P 50V	[M]
C106	ECJ1VC1H821J	820P 50V	[M]
C107	F1H1H101A230	100P 50V	[M]
C108	F1H1H101A230	100P 50V	[M]
C109	ECJ1VC1H821J	820P 50V	[M]
C110	ECJ1VC1H821J	820P 50V	[M]
C111	F1H1H101A230	100P 50V	[M]
C112	F1H1H101A230	100P 50V	[M]
C113	ECJ1VC1H821J	820P 50V	[M]
C114	ECJ1VC1H821J	820P 50V	[M]
C115	F1H1H101A230	100P 50V	[M]
C116	F1H1H101A230	100P 50V	[M]
C118	ECJ1VC1H821J	820P 50V	[M]
C120	F1H1H101A230	100P 50V	[M]
C121	ECA1HAK2R2XB	2.2 50V	[M]
C122	ECA1HAK2R2XB	2.2 50V	[M]
C123	ECA1HAK2R2XB	2.2 50V	[M]
C124	ECA1HAK2R2XB	2.2 50V	[M]
C125	ECA1HAK2R2XB	2.2 50V	[M]
C126	ECA1HAK2R2XB	2.2 50V	[M]
C131	F1H1H332A013	3300P 50V	[M]
C132	F1H1H332A013	3300P 50V	[M]
C133	F1H1E103A029	0.01 25V	[M]
C134	F1H1E103A029	0.01 25V	[M]
C135	ECA1CAK220XB	22 16V	[M]
C136	F1H1A334A036	0.33 10V	[M]
C140	F1H1H331A013	330P 50V	[M]
C141	F1H1H470A230	47P 50V	[M]
C142	ECJ1VC1H561J	560P 50V	[M]
C143	ECA1CAK470XB	47 16V	[M]
C144	ECA1EAK100XB	10 25V	[M]
C145	F1H1H470A230	47P 50V	[M]
C146	F1H1E103A029	0.01 25V	[M]
C147	F1H1H102A219	1000P 50V	[M]
C148	ECA1CAK470XB	47 16V	[M]
C149	F1H1H102A219	1000P 50V	[M]
C151	ECA1CAK101XB	100 16V	[M]
C152	F1H1E103A029	0.01 25V	[M]
C153	F1H1H470A230	47P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C154	F1H1H470A230	47P 50V	[M]
C155	ECA1CAK101XB	100 16V	[M]
C156	F1H1E103A029	0.01 25V	[M]
C157	ECA1HAK4R7XB	4.7 50V	[M]
C158	ECA1HAK100XB	10 50V	[M]
C159	ECA1HAK100XB	10 50V	[M]
C160	ECA1HAK4R7XB	4.7 50V	[M]
C161	ECA1HAK4R7XB	4.7 50V	[M]
C162	ECA1HAK100XB	10 50V	[M]
C163	ECA1HAK4R7XB	4.7 50V	[M]
C164	ECA1HAK4R7XB	4.7 50V	[M]
C165	ECA1HAK100XB	10 50V	[M]
C166	ECA1HAK4R7XB	4.7 50V	[M]
C167	ECA1HAK100XB	10 50V	[M]
C168	ECA1HAK4R7XB	4.7 50V	[M]
C170	ECA1HAK2R2XB	2.2 50V	[M]
C171	ECA1HAK2R2XB	2.2 50V	[M]
C174	ECJ1VB1C823K	0.082 16V	[M]
C175	ECA1HAK4R7XB	4.7 50V	[M]
C200	F1H1C104A008	0.1 16V	[M]
C203	F1H1H470A230	47P 50V	[M]
C204	F1H1H470A230	47P 50V	[M]
C205	F1H1H102A219	1000P 50V	[M]
C206	F1H1H102A219	1000P 50V	[M]
C217	F1H1C104A008	0.1 16V	[M]
C220	F1H1H470A230	47P 50V	[M]
C221	F1H1H470A230	47P 50V	[M]
C222	F1H1C104A008	0.1 16V	[M]
C223	ECA1CAK100XB	10 16V	[M]
C224	ECA1CAK100XB	10 16V	[M]
C225	F1H1C104A008	0.1 16V	[M]
C226	F1H1C104A008	0.1 16V	[M]
C229	ECJ1VC1H151J	150P 50V	[M]
C230	ECJ1VC1H151J	150P 50V	[M]
C231	ECA1CAK100XB	10 16V	[M]
C232	ECA1CAK100XB	10 16V	[M]
C233	F1H1C104A008	0.1 16V	[M]
C234	F1H1C104A008	0.1 16V	[M]
C235	F1H1C104A008	0.1 16V	[M]
C236	F1H1H272A013	2700P 50V	[M]
C237	F1H1H101A230	100P 50V	[M]
C238	ECJ1VC1H151J	150P 50V	[M]
C239	ECA1HAK010XB	1 50V	[M]
C244	F1H1C104A008	0.1 16V	[M]
C248	F1H1C104A008	0.1 16V	[M]
C249	ECA1CAK100XB	10 16V	[M]
C250	ECA1CAK100XB	10 16V	[M]
C251	F1H1C104A008	0.1 16V	[M]
C253	F1H1C104A008	0.1 16V	[M]
C254	F1H1C104A008	0.1 16V	[M]
C264	ECA1HAK100XB	10 50V	[M]
C265	ECA1HAK100XB	10 50V	[M]
C266	F1H1H101A230	100P 50V	[M]
C267	F1H1H101A230	100P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C269	F1H1H392A013	3900P 50V	[M]
C273	F1H1C104A008	0.1 16V	[M]
C274	F1H1C104A008	0.1 16V	[M]
C275	ECA1HAK3R3XB	3.3 50V	[M]
C276	ECA1HAK3R3XB	3.3 50V	[M]
C277	ECA1CAK470XB	47 16V	[M]
C278	ECA1CAK470XB	47 16V	[M]
C280	F1H1E103A029	0.01 25V	[M]
C282	F1H1C104A008	0.1 16V	[M]
C283	F1H1C104A008	0.1 16V	[M]
C284	F1H1H152A219	1500P 50V	[M]
C285	F1H1H152A219	1500P 50V	[M]
C301	F1H1H102A219	1000P 50V	[M]
C302	F1H1H102A219	1000P 50V	[M]
C303	F1H1H102A219	1000P 50V	[M]
C304	F1H1H102A219	1000P 50V	[M]
C305	F1H1E103A029	0.01 25V	[M]
C306	F1H1E103A029	0.01 25V	[M]
C307	ECA0JAK101XB	100 6.3V	[M]
C308	F1H1E103A029	0.01 25V	[M]
C309	ECJ1VC1H680J	68P 50V	[M]
C310	ECJ1VC1H680J	68P 50V	[M]
C311	ECA0JAM102XB	1000 6.3V	[M]
C312	ECA0JAM102XB	1000 6.3V	[M]
C313	F1H1C104A008	0.1 16V	[M]
C314	F1H1E103A029	0.01 25V	[M]
C315	ECA1HAK010XB	1 50V	[M]
C316	ECA1HAK010XB	1 50V	[M]
C317	F1H1E103A029	0.01 25V	[M]
C318	F1H1E103A029	0.01 25V	[M]
C319	ECA0JAK101XB	100 6.3V	[M]
C400	F1H1H101A230	100P 50V	[M]
C401	F1H1H101A230	100P 50V	[M]
C402	F1H1H103A219	0.01 50V	[M]
C403	F1H1H101A230	100P 50V	[M]
C404	F1H1H101A230	100P 50V	[M]
C405	F1H1H103A219	0.01 50V	[M]
C406	F1H1H103A219	0.01 50V	[M]
C407	F1H1H102A219	1000P 50V	[M]
C408	F1H1H102A219	1000P 50V	[M]
C409	F1H1H102A219	1000P 50V	[M]
C410	F1H1H102A219	1000P 50V	[M]
C411	ECA0JAM471XB	470 6.3V	[M]
C412	F1H1C104A008	0.1 16V	[M]
C413	ECA1HAK220XB	22 50V	[M]
C414	ECA1HAK220XB	22 50V	[M]
C415	ECA1HAK220XB	22 50V	[M]
C416	ECA1HAK220XB	22 50V	[M]
C417	ECA1HAK100XB	10 50V	[M]
C418	ECA1HAK220XB	22 50V	[M]
C419	ECA1HAK220XB	22 50V	[M]
C420	F1H1C104A008	0.1 16V	[M]
C451	ECJ1VC1H821J	820P 50V	[M]
C452	ECJ1VC1H821J	820P 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C453	ECJ1VC1H821J	820P 50V	[M]
C454	F1H1H101A230	100P 50V	[M]
C455	F1H1H101A230	100P 50V	[M]
C456	F1H1H102A219	1000P 50V	[M]
C457	F1H1H331A013	330P 50V	[M]
C458	F1H1H331A013	330P 50V	[M]
C459	F1H1H331A013	330P 50V	[M]
C460	F1H1H331A013	330P 50V	[M]
C461	F1H1H331A013	330P 50V	[M]
C462	F1H1H331A013	330P 50V	[M]
C463	F1H1H331A013	330P 50V	[M]
C464	F1H1H331A013	330P 50V	[M]
C465	F1H1H331A013	330P 50V	[M]
C466	F1H1H331A013	330P 50V	[M]
C467	F1H1H331A013	330P 50V	[M]
C468	F1H1H331A013	330P 50V	[M]
C469	ECA1CAK330XB	33 16V	[M]
C500	F1H1H102A219	1000P 50V	[M]
C502	ECJ1VB1A474K	0.47 10V	[M]
C504	ECJ1VB1A474K	0.47 10V	[M]
C506	F1H1H331A004	330P 50V	[M]
C508	F1H1H104A783	0.1 50V	[M]
C509	F1H1H104A783	0.1 50V	[M]
C510	F1K2A1040007	0.1 100V	[M]
C511	F1K2A1040007	0.1 100V	[M]
C512	F1H1H104A783	0.1 50V	[M]
C513	F1H1H104A783	0.1 50V	[M]
C515	F1H1H221A748	220P 50V	[M]
C516	F1K2A1040007	0.1 100V	[M]
C517	F1K2A1040007	0.1 100V	[M]
C518	F1K1V105A003	1 35V	[M]
C519	F1K1V105A003	1 35V	[M]
C520	F1K1H2210001	220P 50V	[M]
C522	ECJ1VB1H153K	0.015 50V	[M]
C524	F1H1H221A748	220P 50V	[M]
C527	F1K1V105A003	1 35V	[M]
C529	F1H1H104A783	0.1 50V	[M]
C530	ECQV1H684JL3	0.68 50V	[M]
C532	F1H1H104A783	0.1 50V	[M]
C538	ECA0JAK101XB	100 6.3V	[M]
C540	EEUFF1V471E	470P 35V	[M]
C541	EEUFF1V471E	470P 35V	[M]
C544	EEUFF1V471E	470P 35V	[M]
C545	EEUFF1V471E	470P 35V	[M]
C550	F1H1H102A219	1000P 50V	[M]
C551	F1H1H102A219	1000P 50V	[M]
C552	ECJ1VB1A474K	0.47 10V	[M]
C553	ECJ1VB1A474K	0.47 10V	[M]
C554	ECJ1VB1A474K	0.47 10V	[M]
C555	ECJ1VB1A474K	0.47 10V	[M]
C556	F1H1H331A004	330P 50V	[M]
C557	F1H1H331A004	330P 50V	[M]
C558	F1H1H104A783	0.1 50V	[M]
C559	F1H1H104A783	0.1 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C560	F1K2A1040007	0.1 100V	[M]
C561	F1K2A1040007	0.1 100V	[M]
C562	F1H1H104A783	0.1 50V	[M]
C563	F1H1H104A783	0.1 50V	[M]
C565	F1H1H221A748	220P 50V	[M]
C566	F1K2A1040007	0.1 100V	[M]
C567	F1K2A1040007	0.1 100V	[M]
C568	F1K1V105A003	1 35V	[M]
C569	F1K1V105A003	1 35V	[M]
C570	F1K1H2210001	220P 50V	[M]
C571	F1K1H2210001	220P 50V	[M]
C572	ECJ1VB1H153K	0.015 50V	[M]
C573	ECJ1VB1H153K	0.015 50V	[M]
C574	F1H1H221A748	220P 50V	[M]
C575	F1H1H221A748	220P 50V	[M]
C576	F1K1V105A003	1 35V	[M]
C577	F1K1V105A003	1 35V	[M]
C579	F1H1H104A783	0.1 50V	[M]
C580	ECQV1H684JL3	0.68 50V	[M]
C581	ECQV1H684JL3	0.68 50V	[M]
C582	F1H1H104A783	0.1 50V	[M]
C583	F1H1H104A783	0.1 50V	[M]
C588	ECA0JAK101XB	100 6.3V	[M]
C594	EEUFF1V471E	470P 35V	[M]
C595	EEUFF1V471E	470P 35V	[M]
C601	F1H1H102A219	1000P 50V	[M]
C603	ECJ1VB1A474K	0.47 10V	[M]
C605	ECJ1VB1A474K	0.47 10V	[M]
C606	F1H1H331A004	330P 50V	[M]
C607	F1H1H331A004	330P 50V	[M]
C608	F1H1H104A783	0.1 50V	[M]
C609	F1H1H104A783	0.1 50V	[M]
C610	F1K2A1040007	0.1 100V	[M]
C611	F1K2A1040007	0.1 100V	[M]
C612	F1H1H104A783	0.1 50V	[M]
C613	F1H1H104A783	0.1 50V	[M]
C615	F1H1H221A748	220P 50V	[M]
C616	F1K2A1040007	0.1 100V	[M]
C617	F1K2A1040007	0.1 100V	[M]
C618	F1K1V105A003	1 35V	[M]
C619	F1K1V105A003	1 35V	[M]
C620	F1K1H2210001	220P 50V	[M]
C621	F1K1H2210001	220P 50V	[M]
C622	ECJ1VB1H153K	0.015 50V	[M]
C623	ECJ1VB1H153K	0.015 50V	[M]
C624	F1H1H221A748	220P 50V	[M]
C625	F1H1H221A748	220P 50V	[M]
C626	F1K1V105A003	1 35V	[M]
C627	F1K1V105A003	1 35V	[M]
C629	F1H1H104A783	0.1 50V	[M]
C630	ECQV1H105JL3	1 50V	[M]
C631	ECQV1H105JL3	1 50V	[M]
C632	F1H1H104A783	0.1 50V	[M]
C633	F1H1H104A783	0.1 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C638	ECA0JAK101XB	100 6.3V	[M]
C644	EEUFF1V471E	470P 35V	[M]
C645	EEUFF1V471E	470P 35V	[M]
C651	F1H1H102A219	1000P 50V	[M]
C653	ECJ1VB1A474K	0.47 10V	[M]
C655	ECJ1VB1A474K	0.47 10V	[M]
C656	F1H1H331A004	330P 50V	[M]
C657	F1H1H331A004	330P 50V	[M]
C658	F1H1H104A783	0.1 50V	[M]
C659	F1H1H104A783	0.1 50V	[M]
C660	F1K2A1040007	0.1 100V	[M]
C661	F1K2A1040007	0.1 100V	[M]
C662	F1H1H104A783	0.1 50V	[M]
C663	F1H1H104A783	0.1 50V	[M]
C665	F1H1H221A748	220P 50V	[M]
C666	F1K2A1040007	0.1 100V	[M]
C667	F1K2A1040007	0.1 100V	[M]
C668	F1K1V105A003	1 35V	[M]
C669	F1K1V105A003	1 35V	[M]
C670	F1K1H2210001	220P 50V	[M]
C671	F1K1H2210001	220P 50V	[M]
C672	ECJ1VB1H153K	0.015 50V	[M]
C673	ECJ1VB1H153K	0.015 50V	[M]
C674	F1H1H221A748	220P 50V	[M]
C675	F1H1H221A748	220P 50V	[M]
C676	F1K1V105A003	1 35V	[M]
C677	F1K1V105A003	1 35V	[M]
C679	F1H1H104A783	0.1 50V	[M]
C680	ECQV1H105JL3	1 50V	[M]
C681	ECQV1H105JL3	1 50V	[M]
C682	F1H1H104A783	0.1 50V	[M]
C683	F1H1H104A783	0.1 50V	[M]
C688	ECA0JAK101XB	100 6.3V	[M]
C694	EEUFF1V471E	470P 35V	[M]
C695	EEUFF1V471E	470P 35V	[M]
C701	ECQU2A104MLC	0.1 100V	[M]
C703	F1BAF1020020	1000P 10V	[M] ⚠
C704	F1BAF1020020	1000P 10V	[M] ⚠
C705	F1BAF1020020	1000P 10V	[M]
C706	ECQU2A104MLC	0.1 100V	[M] ⚠
C707	F2B2G4710006	470P 250V	[M]
C708	F1J2E1030004	0.01 250V	[M]
C709	F1H1H471A219	470P 50V	[M]
C710	ECKE3D821KBP	820P 2000	[M]
C711	ECA1HAM470XB	47 50V	[M]
C712	F1H1H221A748	220P 50V	[M]
C713	F1H1H102A219	1000P 50V	[M]
C714	F1BAF1020020	1000P 10V	[M] ⚠
C725	ECA2GHG4R7B	4.7 250V	[M]
C726	F1B2H1820001	1800P 500V	[M]
C727	F1H1H102A219	1000P 50V	[M]
C728	ECJ2FB1H104K	0.1 50V	[M]
C729	ECA1HAK010XB	1 50V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C730	F2A1A2210063	220P 10V	[M]
C731	F1J2E1020002	1000P 250V	[M]
C732	F1BAF1020020	1000P 10V	[M]
C736	F1BAF471A013	470 10V	[M] ⚠
C737	F1BAF471A013	470 10V	[M] ⚠
C800	F1J2E1030004	0.01 250V	[M]
C801	F1J2A331A030	330P 100V	[M]
C802	F1H1H104A783	0.1 50V	[M]
C803	F1H1H471A219	470P 50V	[M]
C804	ECA1VHG102E	1000 35V	[M]
C805	F2A1C681A624	680P 16V	[M]
C806	F2A1C681A624	680P 16V	[M]
C807	F2A1C681A624	680P 16V	[M]
C808	F2A1C1210012	120P 16V	[M]
C809	F1H1H104A783	0.1 50V	[M]
C810	F2A1C681A624	680P 16V	[M]
C811	F2A1C1210012	120P 16V	[M]
C812	F2A1C1210012	120P 16V	[M]
C813	F2A1C1210012	120P 16V	[M]
C814	F1H1H102A219	1000P 50V	[M]
C815	ECA1HAM101XB	100 50V	[M]
C817	F1H1H102A219	1000P 50V	[M]
C818	F1H1H102A219	1000P 50V	[M]
C819	ECA1HAM101XB	100 50V	[M]
C820	ECA1HAM101XB	100 50V	[M]
C824	F1H1H104A783	0.1 50V	[M]
C825	F1H1H104A783	0.1 50V	[M]
C828	F1J2E1030004	0.01 250V	[M]
C853	ECJ1VB1H682K	6800P 50V	[M]
C857	F2A1H2200032	22P 50V	[M]
C859	EEUFF1V561E	560P 35V	[M]
C860	EEUFF1V561E	560P 35V	[M]
C861	EEUFF1V561E	560P 35V	[M]
C862	F2A1A2210063	220P 10V	[M]
C865	F1H1H102A219	1000P 50V	[M]
C866	F1J2E1030004	0.01 250V	[M]
C867	F1J2E1030004	0.01 250V	[M]
C868	F1J2E1030004	0.01 250V	[M]
C869	F1J2E1030004	0.01 250V	[M]
C870	F1H1H102A219	1000P 50V	[M]
C871	F2A1H2200032	22P 50V	[M]
C880	F1H1H103A219	0.01 50V	[M]
C881	ECA1CAK220XB	22 16V	[M]
C882	ECJ1VB1H104K	0.1 50V	[M]
C883	F1H1H103A219	0.01 50V	[M]
C884	ECJ1VB1H104K	0.1 50V	[M]
C885	ECA1CAK220XB	22 16V	[M]
C886	ECJ1VB1H104K	0.1 50V	[M]
C887	F1H1H103A219	0.01 50V	[M]
C1001	ECA1HAK010XB	1 50V	[M]
C1001	ECJ1VB1A184K	0.18 10V	[M]
C1002	ECJ1VB1A184K	0.18 10V	[M]
C1002	F1H1C104A008	0.1 16V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1003	ECA0JAK101XB	100 6.3V	[M]
C1003	ECJ1VB1A184K	0.18 10V	[M]
C1004	ECA1HAK010XB	1 50V	[M]
C1005	ECA1HAK010XB	1 50V	[M]
C1006	ECJ1VB1A184K	0.18 10V	[M]
C1006	F1H1C104A008	0.1 16V	[M]
C1007	ECJ1VB1A184K	0.18 10V	[M]
C1007	F1H1C104A008	0.1 16V	[M]
C1008	ECA1HAK2R2XB	2.2 50V	[M]
C1009	F1H1H471A219	470P 50V	[M]
C1010	F1H1H103A219	0.01 50V	[M]
C1011	ECA0JAK101XB	100 6.3V	[M]
C1012	F1H1C104A008	0.1 16V	[M]
C1013	F1H1C104A008	0.1 16V	[M]
C1015	F1H1H101A230	100P 50V	[M]
C1016	F1H1H101A230	100P 50V	[M]
C1017	F1H1H101A230	100P 50V	[M]
C1018	F1H1H102A219	1000P 50V	[M]
C1019	F1H1H102A219	1000P 50V	[M]
C1020	F1H1C104A008	0.1 16V	[M]
C1021	F1H1C104A008	0.1 16V	[M]
C1022	F1H1C104A008	0.1 16V	[M]
C1023	F1H1H220A230	22P 50V	[M]
C1024	ECA0JAK101XB	100 6.3V	[M]
C1025	F1H1H220A230	22P 50V	[M]
C1026	F1H1C104A008	0.1 16V	[M]
C1027	F1H1H101A230	100P 50V	[M]
C1101	ECA1CAK100XB	10 16V	[M]
C1102	F1H1C104A008	0.1 16V	[M]
C1103	F1H1C104A008	0.1 16V	[M]
C1104	F1H1C104A008	0.1 16V	[M]
C1105	ECA1CAK100XB	10 16V	[M]
C1106	ECJ1VB1H682K	6800P 50V	[M]
C1107	F1H1C104A008	0.1 16V	[M]
C1108	ECJ1VC1H102J	1000P 50V	[M]
C1110	ECA1CAK100XB	10 16V	[M]
C1111	F1H1C104A008	0.1 16V	[M]
C1117	F1H1H272A013	2700P 50V	[M]
C1118	F1H1H272A013	2700P 50V	[M]
C1119	F1H1C104A008	0.1 16V	[M]
C1120	F1H1C104A008	0.1 16V	[M]
C1121	F1H1C104A008	0.1 16V	[M]
C1122	ECA1CAK101XB	100 16V	[M]
C1123	ECA1HPX100B	10 50V	[M]
C1124	ECA1HPX100B	10 50V	[M]
C1125	F1H1H101A230	100P 50V	[M]
C1126	F1H1H103A219	0.01 50V	[M]
C1127	ECJ1VB1H561K	560P 50V	[M]
C1128	ECJ1VB1H561K	560P 50V	[M]
C1129	ECJ1VB1H561K	560P 50V	[M]
C1130	ECJ1VB1H561K	560P 50V	[M]
C1131	ECA1CAK101XB	100 16V	[M]
C1132	ECA1CAK101XB	100 16V	[M]
C1201	ECJ1VB1H182K	1800P 50V	[M]

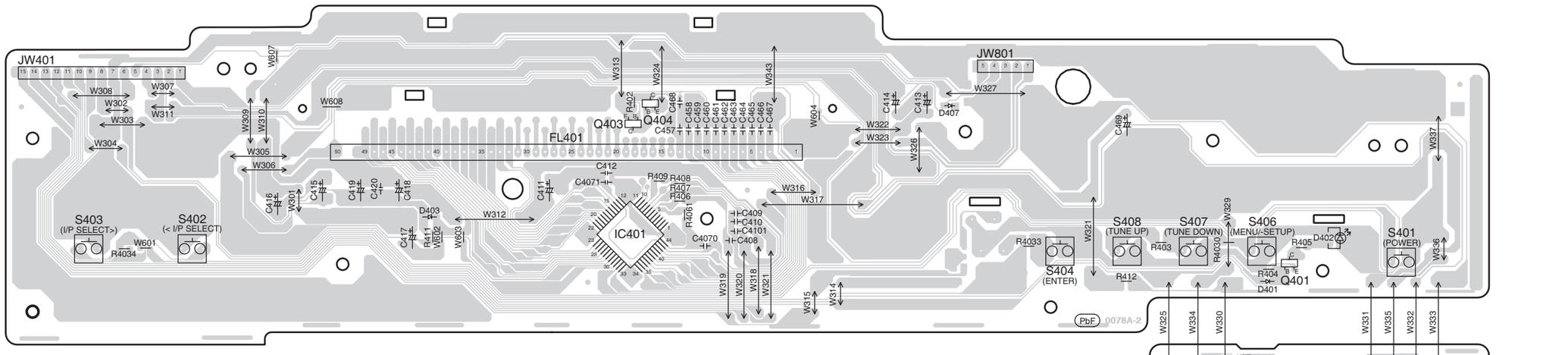
Ref. No.	Part No.	Part Name & Description	Remarks
C1202	ECJ1VB1H562K	5600P 50V	[M]
C1203	ECJ1VB1H182K	1800P 50V	[M]
C1204	ECJ1VB1H562K	5600P 50V	[M]
C1205	ECJ1VB1H182K	1800P 50V	[M]
C1206	ECJ1VB1H562K	5600P 50V	[M]
C1207	ECJ1VB1H562K	5600P 50V	[M]
C1208	ECJ1VB1H182K	1800P 50V	[M]
C1209	ECJ1VB1H562K	5600P 50V	[M]
C1210	ECJ1VB1H182K	1800P 50V	[M]
C1211	ECJ1VB1H562K	5600P 50V	[M]
C1212	ECJ1VB1H182K	1800P 50V	[M]
C1213	ECA1CAK220XB	22 16V	[M]
C1214	ECA1CAK220XB	22 16V	[M]
C1215	ECA1CAK220XB	22 16V	[M]
C1216	ECJ1VB1H122K	1200P 50V	[M]
C1217	ECA1CAK220XB	22 16V	[M]
C1218	ECJ1VB1H122K	1200P 50V	[M]
C1219	ECA1CAK220XB	22 16V	[M]
C1220	ECJ1VB1H122K	1200P 50V	[M]
C1221	ECA1CAK220XB	22 16V	[M]
C1222	ECJ1VB1H122K	1200P 50V	[M]
C1223	ECJ1VB1H122K	1200P 50V	[M]
C1224	ECJ1VB1H122K	1200P 50V	[M]
C1225	F1H1H391A013	390P 50V	[M]
C1226	F1H1H391A013	390P 50V	[M]
C1227	F1H1H391A013	390P 50V	[M]
C1228	F1H1H391A013	390P 50V	[M]
C1229	F1H1H391A013	390P 50V	[M]
C1230	F1H1H391A013	390P 50V	[M]
C1231	ECA1CAK100XB	10 16V	[M]
C1232	ECA1CAK100XB	10 16V	[M]
C1233	ECA1CAK100XB	10 16V	[M]
C1234	ECA1CAK100XB	10 16V	[M]
C1235	ECA1CAK100XB	10 16V	[M]
C1236	ECA1CAK100XB	10 16V	[M]
C1237	F1H1H103A219	0.01 50V	[M]
C1238	F1H1H103A219	0.01 50V	[M]
C1239	F1H1H103A219	0.01 50V	[M]
C1240	F1H1H103A219	0.01 50V	[M]
C1241	F1H1H103A219	0.01 50V	[M]
C1242	F1H1H103A219	0.01 50V	[M]
C1243	F1H1H101A230	100P 50V	[M]
C1245	ECA1EAK470XB	47 25V	[M]
C1246	ECA1EAK470XB	47 25V	[M]
C1261	ECA1HAK2R2XB	2.2 50V	[M]
C1262	ECA1HAK2R2XB	2.2 50V	[M]
C1301	F1H1H103A219	0.01 50V	[M]
C1302	F1H1H104A783	0.1 50V	[M]
C1303	F1H1H103A219	0.01 50V	[M]
C1304	F1H1H104A783	0.1 50V	[M]
C1305	F1H1C104A008	0.1 16V	[M]
C1306	F1H1C104A008	0.1 16V	[M]
C1307	F1H1C104A008	0.1 16V	[M]
C1308	ECA0JAK101XB	100 6.3V	[M]

Ref. No.	Part No.	Part Name & Description	Remarks
C1309	F1H1H103A219	0.01 50V	[M]
C1310	F1H1C104A008	0.1 16V	[M]
C1311	F1H1C104A008	0.1 16V	[M]
C1412	F1H1H101A230	100P 50V	[M]
C1530	F1H1C104A008	0.1 16V	[M]
C1540	F1H1C104A008	0.1 16V	[M]
C1550	ECJ1VC1H330J	33P 50V	[M]
C1551	ECJ1VC1H330J	33P 50V	[M]
C1580	ECA1HAK010XB	1 50V	[M]
C1590	ECA1HAK100XB	10 50V	[M]
C1620	ECA1HAK100XB	10 50V	[M]
C1630	ECA1HAK100XB	10 50V	[M]
C1660	ECA1HAK100XB	10 50V	[M]
C1670	ECA1HAK100XB	10 50V	[M]
C1680	ECA1HAK2R2XB	2.2 50V	[M]
C1681	ECA1HAK2R2XB	2.2 50V	[M]
C1701	ECA1CAK220XB	22 16V	[M]
C1702	F1H1H391A013	390P 50V	[M]
C1703	ECA1CAK100XB	10 16V	[M]
C1704	F1H1H103A219	0.01 50V	[M]
C1705	ECA1CAK101XB	100 16V	[M]
C1706	ECA1AM332E	3300 10V	[M]
C2040	F1H1C104A008	0.1 16V	[M]
C2400	ECA1CAK100XB	10 16V	[M]
C2401	ECA1CAK100XB	10 16V	[M]
C2402	ECA1CAK100XB	10 16V	[M]
C2403	ECA1CAK100XB	10 16V	[M]
C4070	F1H1C104A008	0.1 16V	[M]
C4071	F1H1C104A008	0.1 16V	[M]
C4101	F1H1H102A219	1000P 50V	[M]
C4143	F1H1E103A029	0.01 25V	[M]
C5001	ECA1CAK330XB	33 16V	[M]
C5002	ECA1CAK330XB	33 16V	[M]
C5004	F1H1H104A783	0.1 50V	[M]
C5005	F1K2A1040007	0.1 100V	[M]
C5006	F1K2A1040007	0.1 100V	[M]
C5007	F1K2A1040007	0.1 100V	[M]
C5008	F1K2A1040007	0.1 100V	[M]
C5400	F1H1H471A219	470P 50V	[M]
C5401	F1H1H101A230	100P 50V	[M]
C5402	F1H1H101A230	100P 50V	[M]
C5403	F1H1H101A230	100P 50V	[M]
C5405	F1H1H104A783	0.1 50V	[M]
C5406	F1H1H101A230	100P 50V	[M]
C5407	F1H1H104A783	0.1 50V	[M]
C5408	ECA1CAK100XB	10 16V	[M]
C5500	ECA1CAK100XB	10 16V	[M]
C5501	ECA1HAK2R2XB	2.2 50V	[M]
C5503	ECA1CAK330XB	33 16V	[M]
C5504	ECA0JAK101XB	100 6.3V	[M]
C5505	ECA1AAK221XB	220 10V	[M]
C5506	ECA1CAK100XB	10 16V	[M]
C5507	ECA1CAK100XB	10 16V	[M]
C5508	EEUFF1V471E	470P 35V	[M]

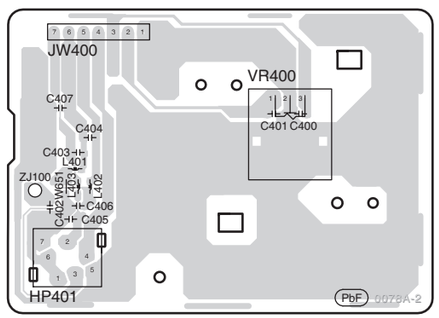
Ref. No.	Part No.	Part Name & Description	Remarks
C5509	EEUFF1V471E	470P 35V	[M]
C5801	ECQB1H222JF3	2200P 50V	[M]

PRT0603D/S/M/P

D PANEL P.C.B (REPV0078B-M)



E VOLUME P.C.B (REPV0078B-M)

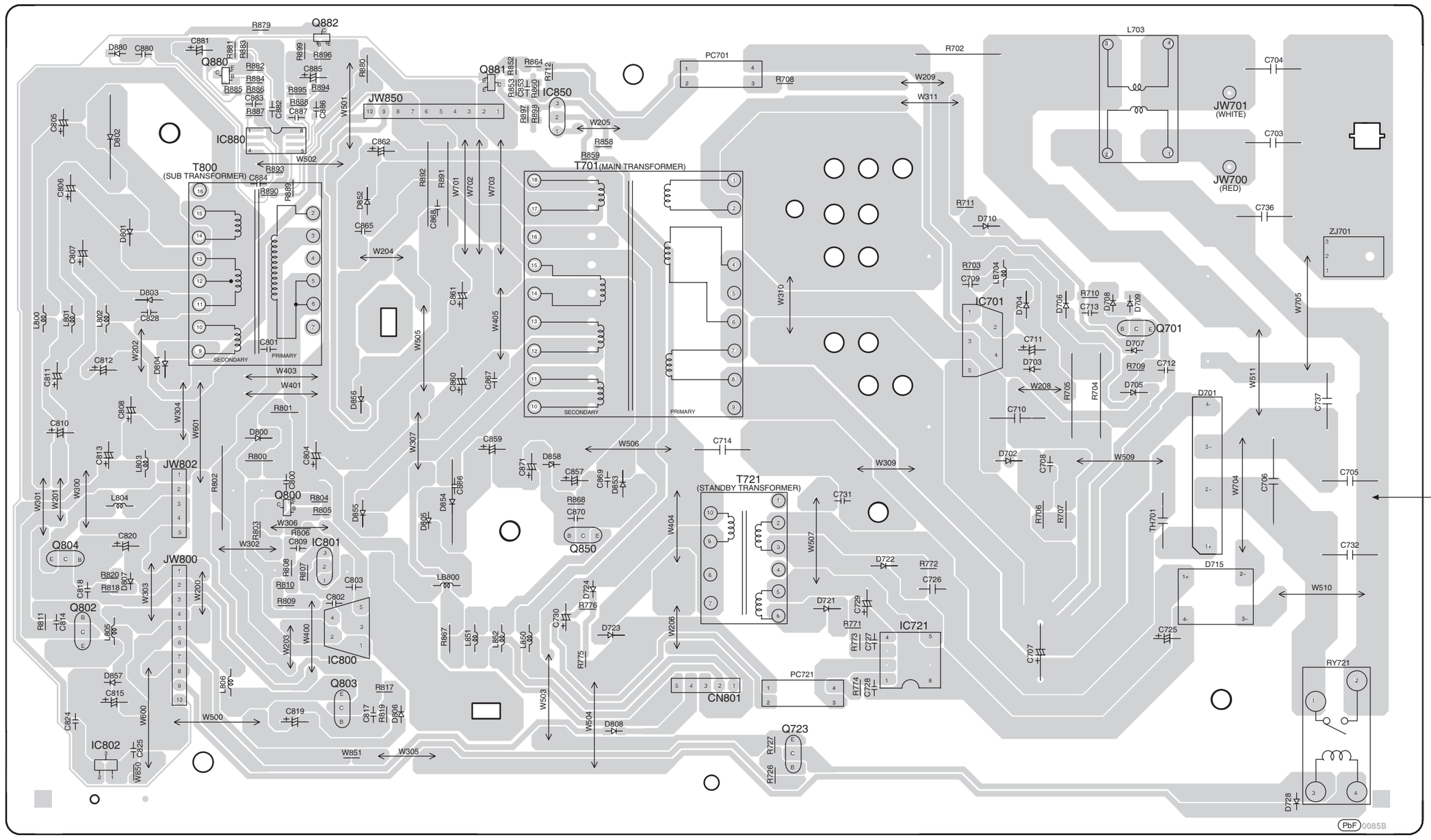


VOLUME

HEADPHONE

F MUSIC PORT P.C.B (REPV0078B-M)

G POWER P.C.B (REPV0085B-P)



1

Switch on.

2

INPUT SELECTOR

Select input.

TUNER FM ⟷ TUNER AM ⟷ TV
↕ ↕
MUSIC PORT
↕ ↕
GAME/AUX ⟷ DVR/DVD-P

3

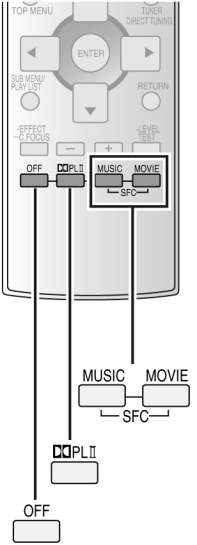
Start play of the source.

The unit sets the sound mode to suit the input signal.

4

VOLUME

Adjust the volume.



Remote control

This page describes the buttons used to control this unit.

[⏻, RECEIVER]
Standby/on button.

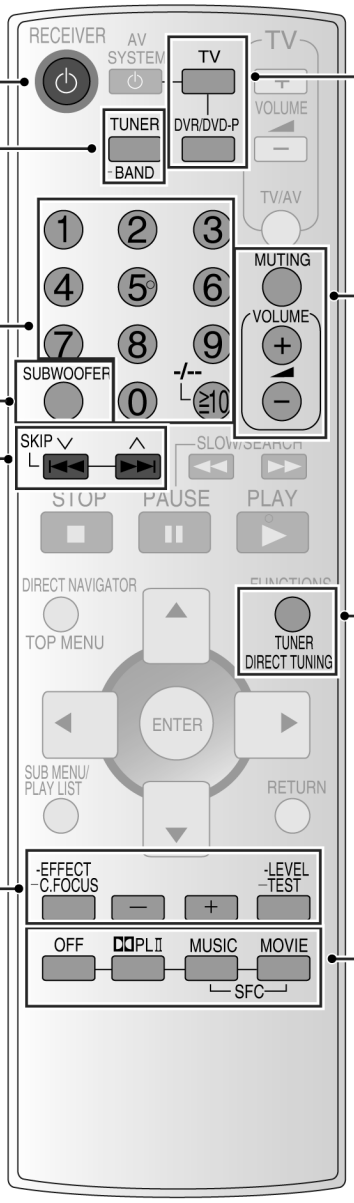
[TUNER, –BAND]
For switching the remote control to TUNER mode and selecting TUNER. After selecting TUNER, press and hold to switch between FM and AM.

[1, 2, 3, 4, 5, 6, 7, 8, 9, 0]
To enter radio frequencies and channels.
[≧10, -/--]
To enter two digit channels.

[SUBWOOFER]
For selecting subwoofer level.

[◀◀, ∨, ▶▶|, ∧, SKIP]
For selecting preset radio channels.

[-EFFECT, –C.FOCUS]
Use when adjusting Dolby Pro LogicII or SFC effects.
Press and hold to select center focus mode.
[-, +]
First select [-EFFECT] or [-LEVEL, –TEST], then press [-] or [+] to adjust.
[-LEVEL, –TEST]
Use when adjusting speaker level.
Press and hold to start the speaker test signal.



[TV] [DVR/DVD-P]
Input mode and remote control mode buttons.

[MUTING]
To mute the volume.
[+, -, VOLUME]
To adjust the volume.

[TUNER DIRECT TUNING]
To enable selection of radio stations by frequency.

[OFF]
To cancel Dolby Pro LogicII and SFC.
[PLII]
For selecting a Dolby Pro LogicII mode: MOVIE, MUSIC or PANORAMA.
[MUSIC]
For selecting SFC modes: LIVE, POP/ ROCK, VOCAL, JAZZ, DANCE or PARTY.
[MOVIE]
For selecting SFC modes: DRAMA, ACTION, SPORTS, MUSICAL, GAME or MONO.

SCHEMATIC DIAGRAM - 1

A DSP CIRCUIT

——— : +B SIGNAL LINE
– – – : -B SIGNAL LINE
⇒ : MAIN SIGNAL LINE

IC1001 C2HBZZ000015 AC3/DTS IC
IC1004 C0JBAZ002160 LOGIC IC
IC1005 C0JBAZ002161 LOGIC IC
IC1003 C0JBAB000633 LOGIC INVERTER IC
IC1101 C0FBZK000013 CODEC IC
IC1701 C0CBAAG00004 REGULATOR IC
Q1001 B1GDCFJN0001 DSP ON/OFF SWITCH +2.5V
Q1701 KTC3199GRTA REGULATOR
Q1702 B1BACG000023 SWITCH
Q1703 B1BACG000023 SWITCH
X1001 H0J122200002
Z1101 J0JKB0000020
D1701 MAZ80620ML
L1001 G1C2R2K00012
L1002 G1C2R2K00012
L1003 G1C2R2K00012
L1004 G1C2R2K00012
L1101 G1C2R2K00012
L1102 G1C2R2K00012
L1103 G1C2R2K00012
L1301 RLQZ150M-0
L1302 G1C1R0MA0061
JK1301
JK1302
JK1303
DIGITAL IN TV (OPTICAL 1)
DIGITAL IN DVR/ DVD-D (OPTICAL 2)
COAXIAL IN DVD

SCHEMATIC DIAGRAM - 2

A DSP CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE

IC1201 C0ABBB000297 DUAL OP-AMP IC
IC1202 C0ABBB000297 DUAL OP-AMP IC
IC1203 C0ABBB000297 DUAL OP-AMP IC

TO B MAIN CIRCUIT (CN403A) ON SCHEMATIC DIAGRAM-3
TO B MAIN CIRCUIT (CN904A) ON SCHEMATIC DIAGRAM-5
TO B MAIN CIRCUIT (JW906) ON SCHEMATIC DIAGRAM-5
TO B MAIN CIRCUIT (JW405) ON SCHEMATIC DIAGRAM-5

CN403B
CN904B
CN906
CN405

SCHEMATIC DIAGRAM - 3

B MAIN CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE
: MAIN SIGNAL LINE : AUX SIGNAL LINE

SUBWOOFER OUT — JK103 — SW_OUT
GAME/AUX IN (L/R) — JK102
TV IN (L/R) — JK102
DVR/DVD-P IN (L/R) — JK101
DVR/DVD-P OUT (L/R) — JK101

IC150 C1BB00001134 VOLUME ENCODER

TUNER GND, VCC, FM_DETECT, TUNER_R, STEREO, TUNER_L, TUNED, SDA, SCL, PORT_SEL — CP101 — TO TUNER PACK (ENG07812QF)
L101 G0A200D00002
IC152 C0CBAHG00011 VOLTAGE REGULATOR

TO A DSP CIRCUIT (CN403B) ON SCHEMATIC DIAGRAM-2 — CN403A

IC151 C0ABBB000297 DUAL OP-AMP IC
D200 B0ACCK000005
D201 B0ACCK000005
D207 B0ACCK000005

IC200 C0ABBB000297 DUAL OP-AMP IC
IC208 C0ABBB000297 DUAL OP-AMP IC
IC202 C0ABBB000297 DUAL OP-AMP IC
IC203 C0ABBB000297 DUAL OP-AMP IC

Q205 B1ABDC000010 MUTING SWITCH
Q204 B1ABDC000010 MUTING SWITCH
Q211 B1ABDC000010 MUTING SWITCH
Q212 B1ABDC000010 MUTING SWITCH

K115 ERJ6GEY0RC0V
K114 ERJ6GEY0RC0V

-7.5V, +7.5V, VCC(A), L+, L-, DVDD, J1, FL_OUT, FR_OUT

SCHEMATIC DIAGRAM - 4

B MAIN CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE

: MAIN SIGNAL LINE : AUX SIGNAL LINE

Q206 B1ABDC000010 HEADPHONE MUTING CONTROL

Q215 2SD1915FTA MUTING SWITCH

Q207 B1ABDC000010 HEADPHONE MUTING CONTROL

Q214 2SD1915FTA MUTING SWITCH

Q200 B1GDCFJJ0008 MUTING CONTROL

Q201 B1GDCFJJ0008 MUTING SWITCH

Q202 B1GDCFJJ0007 MUTING SWITCH

Q203 B1GDCFJJ0007 MUTING SWITCH

IC205 C0ABBB000297 DUAL OP-AMP IC

IC207 C0ABBB000297 DUAL OP-AMP IC

IC140 C1BB00000987 RDS IC

Q213 B1ABDC0000010 SWITCH

Q208 B1GDCFJJ0008 MUTING CONTROL

Q216 B1ABDC0000010 SWITCH

Q209 B1GBCFJJ0007 MUTING SWITCH

IC302 (NOT SUPPLIED) EEPROM

D204,D206 B0JCAE000001

D203,D205 B0ACCK000005

D302 B0ACCK000005

D303 B0ACCE000003

D304 B0ACCE000003

D307 B0ACCK000005

TO C DIGITAL AMP CIRCUIT (CN200B) ON SCHEMATIC DIAGRAM-6

TO E VOLUME CIRCUIT (JW400) ON SCHEMATIC DIAGRAM-8

SCHEMATIC DIAGRAM - 5

B MAIN CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE
: MAIN SIGNAL LINE : AUX SIGNAL LINE

IC301
C2CBYY000152
MICRO-PROCESSOR IC

Q303
B1GBCFJA0028

Q301
B1GACFJN0007
RESET SWITCH

Q302
B1ABDC000010
SYNCHRONISATION SWITCH

D305
MAZ80390LL

D306
B0ACCK000005

D404
B0ACCK000005

D405
B0ACCK000005

D410
B0ACCK000020

CF301

CN401
CN402
CN802A
CN800A
CN904A
JW405
JW906

TO D PANEL CIRCUIT (JW401) ON SCHEMATIC DIAGRAM-8
TO A DSP CIRCUIT (CN405) ON SCHEMATIC DIAGRAM-2
TO A DSP CIRCUIT (CN906) ON SCHEMATIC DIAGRAM-2
TO G POWER CIRCUIT (JW802) ON SCHEMATIC DIAGRAM-9
TO G POWER CIRCUIT (JW800) ON SCHEMATIC DIAGRAM-9
TO A DSP CIRCUIT (CN904B) ON SCHEMATIC DIAGRAM-2

SCHEMATIC DIAGRAM - 6

C DIGITAL AMP CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE

: MAIN SIGNAL LINE

TO B MAIN CIRCUIT (CN200A) ON SCHEMATIC DIAGRAM-4

CN200B: F_HOP, PWR_AMP, FAN_LOCK, MUTE_SC, DC_DET, MUTE_ALL, FR, BEAT_PROOF, FL, AGND, SL, AGND, SR, AGND, C, AGND, SW

Q5400 B1ADCF000001 OSCILLATING SWITCH

Q5401 B1ABCF000011 OSCILLATING SWITCH

IC5400 C0JBAB000011 IC LOGIC

IC5401 C0JBAF000654 IC LOGIC

X5400 H2A6023A0011

X5401 H2A7003A0011

LB5400 J0JKB0000020

F_HOP, +5V, OSC

TO FAN CN5500: GND, FANDCOUT

Q5502 B1ADCF000011 FAN ON/OFF SWITCH

D5503 B0ACCK000005

D5502 B0ACCK000005

Q5503 B1ABCFJJ0007 FAN LOCK SWITCH

FAN_LOCK

Q5501 2SB0621AHA SUPPLY SWITCH

Q5500 B1ABCF000011 FAN POWER SUPPLY CONTROL SWITCH

D5500 B0ACCK000005

D5501 B0ACCK000005

SIGNAL

ZJ502

ZJ501

Q5007 2SC3940ARA BEATPROOF ON/OFF

Q5005 2SC3940ARA REGULATOR

D5006 MAZ8062GML

TO POWER CIRCUIT (JW850) ON SCHEMATIC DIAGRAM-9

CN850: +9V, GND, -30V, -30V, GND, POWER_GND, POWER_GND, GND, +30V, +30V

LB501 J0JKB0000020

LB500 J0JKB0000020

+9V, -29V, +29V

IC553 C1BA00000407 POWER AMP IC

IC554 C1BA00000407 POWER AMP IC

OSC, INT+, INT-, VDDA1, SGND1, VSSA1, PROT, VDDP1, BOOT1, OUT1, VSSP1, STAB1, VSSP2, OUT2, BOOT2, VDDP2, VSSD, VSSA2, SGND2, VDDA2, IN2-, IN2+, MODE

LB506 J0JKB0000020

LB507 J0JKB0000020

LB508 J0JKB0000020

LB509 J0JKB0000020

L504 15 ETQA17B150

L505 15 ETQA17B150

L506 15 ETQA17B150

L507 15 ETQA17B150

SCHEMATIC DIAGRAM - 7

C DIGITAL AMP CIRCUIT

: +B SIGNAL LINE : -B SIGNAL LINE

: MAIN SIGNAL LINE

IC551
C1BA00000407
POWER AMP IC

IC552
C1BA00000407
POWER AMP IC

Q592 B1ABCF000011 DC DETECT SWITCH

Q591 B1ABCF000011 DC DETECT SWITCH

Q5006 B1GDCFJJ0007 VOLTAGE REGULATOR

Q5001 B1GDCFJJ0008 ???

Q5002 B1GDCFJJ0007 SWITCH (MODE 1)

Q5003 B1GDCFJJ0007 SWITCH (MODE 2)

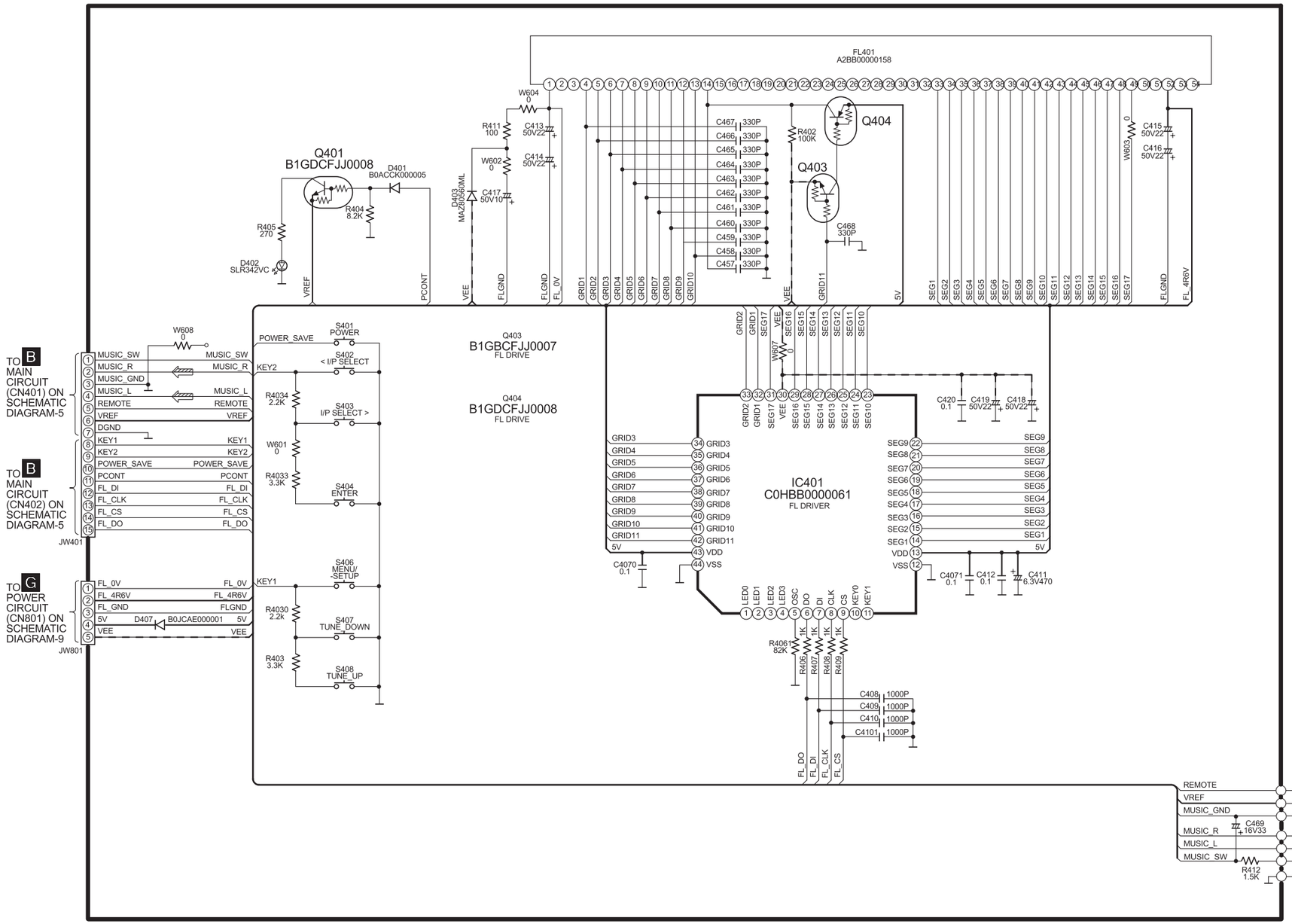
SPEAKER JK504

SPEAKER JK503

SCHEMATIC DIAGRAM - 8

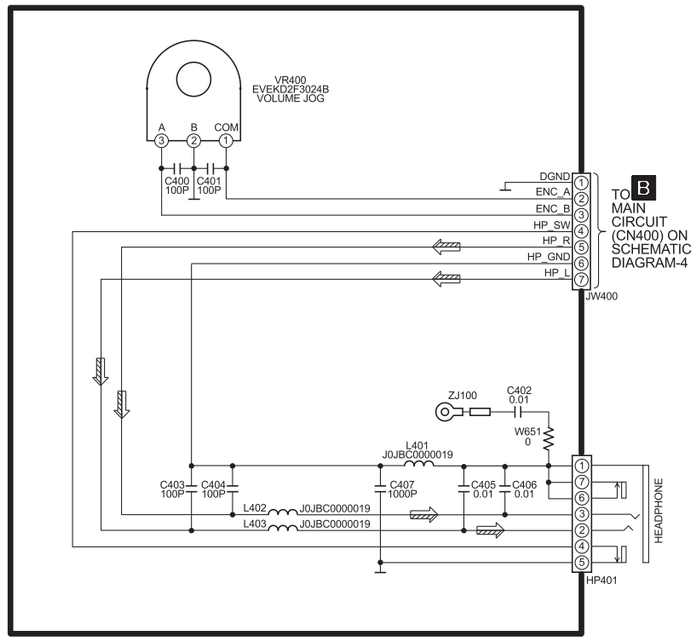
D PANEL CIRCUIT

: +B SIGNAL LINE
: -B SIGNAL LINE
: MAIN SIGNAL LINE



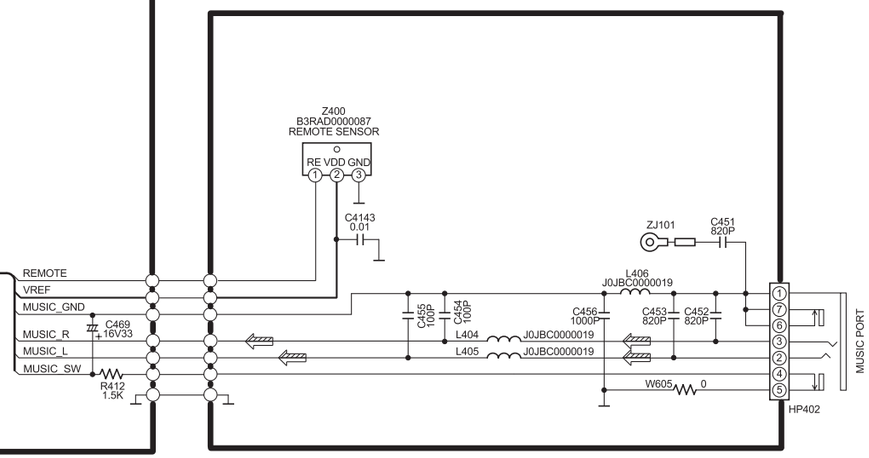
E VOLUME CIRCUIT

: MAIN SIGNAL LINE



F MUSIC PORT CIRCUIT

: MAIN SIGNAL LINE



SA-HE40E/EG PANEL CIRCUIT / VOLUME CIRCUIT / MUSIC PORT CIRCUIT

SCHEMATIC DIAGRAM - 9

G POWER CIRCUIT

——— : +B SIGNAL LINE　　– – – : -B SIGNAL LINE

TO B MAIN CIRCUIT (CN800A) ON SCHEMATIC DIAGRAM-5

TO D PANEL CIRCUIT (JW801) ON SCHEMATIC DIAGRAM-8

TO C DIGITAL AMP CIRCUIT (CN850) ON SCHEMATIC DIAGRAM-6

JW800 DC_DET, PCONT, GNDE, 6V, SYS6V, GNDE, -7.5V, +7.5V, TUNER_9V, GNDE

CN801 VEE, 6V, FL_GND, FL1, FL2

JW850 9V, GND, -30V, POWER_GND, POWER_GND, POWER_GND, POWER_GND, +30V, +30V

IC800 C0DAAYY00026 IC POWER SUPPLY (DRAIN, SOURCE, GND, VIN, OCP/FB)

IC801 C0DAEMB00003 IC POWER SUPPLY

IC802 C0CBAEG00007 VOLTAGE REGULATOR

Q800 B1ADCF000001 ???

Q804 B1BACG000023 REGULATOR +7.5V

Q803 B1BACG000023 REGULATOR +7.5V

Q802 2SB1548PQAU REGULATOR -7.5V

Q882 B1ABCF000011 DC DET SWITCH

Q850 2SB0621AHA -24V REGULATOR

IC850 C0DAEMB00003 IC POWER SUPPLY

Q881 B1ADCF000001 DC DETECT SWITCH

Q880 B1ABCF000011 DC DETECT SWITCH

IC880 C0ABBB000342 DUAL OP-AMP IC

Q723 B1AAGC000006 PCONT SWITCH

Q701 2SC3940ARA REGULATOR

IC721 MIP2C10MSSCF IC POWER SUPPLY

IC701 C5HABZZ00125 IC POWER SUPPLY

PC721 B3PBA0000402

PC701 B3PBA0000237

T800 ETS28AU379AC

T701 ETS42AD4S4AD

T721 ETS19AB1X6AG

TH701 D4CAA5R10001

RY721 K6B1AEA00003

L800~L803 G0A200D00002

L804 G0A200D00002

L805 G0A200D00002

L806 G0A200D00002

L852 G0A200D00002

D721 B0HAJL000001

D723 B0JAJG000002

D722 B0HAGR000002

D724 B0BC4R000016

D701 B0FFKC000001

D715 B0EDKT000009

D728 B0ACCK000005

D808 B0ACCK000005

D800 B0HAJL000001

D801 B0HAJL000001

D802 B0HANM000012

D803 B0HAJL000001

D804 B0HAJL000001

D805 MA2Q73800L

D854 B0HANH000012

D855 B0HASM000003

D856 B0HASM000003

D853 B0HAJL000001

D852 B0HAJL000001

D858 B0BC02400008

D857 B0BC8R100004

D807 B0BC8R100004

D806 B0BC8R100004

D880 B0BC01400019

D702 B0ZAZ0000052

D707 B0BC035A0007

D710 B0HAJL000001

D705 B0HAJL000001

D706 B0HAJL000001

D708 B0BC01700015

D709 B0ACCK000005

D704 B0JAME000025

D703 B0BC02900004

ZA701 F1 250V 4A

ZA702 C701 0.1

DZ701 ERZV10V511CS

L701 ELF18N067E

L702 ELF21N024E

L703 ELF21N024E

P701 AC 230-240V 50Hz

ZJ701

JW802 DSP+7.5V, DSP-7.5V

JW701 (WHITE)

JW700 (RED)

H AC IN CIRCUIT

SA-HE40E/EG POWER/ AC-IN CIRCUIT

DIGITAL AMP P.C.B

Ref No.	IC551																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.7	0	0	29.4	0	-29.8	-28.7	-29.2	0	0	-29.8	-28.7	-29.3	0	0	29.3	-29.8	-29.8	0	28.9
STANDBY	0.1	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0

Ref No.	IC551.																			
MODE	21	22	23																	
CD PLAY	0	0	-0.1																	
STANDBY	0	0	-0.3																	

Ref No.	IC552																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.7	0	0	29.4	0	-29.8	-28.7	-29.2	0	0	-29.8	-28.7	-29.3	0	0	29.3	-29.8	-29.8	0	28.9
STANDBY	0.2	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0

Ref No.	IC552.																			
MODE	21	22	23																	
CD PLAY	0	0	0																	
STANDBY	0	0	-0.2																	

Ref No.	IC563																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.7	0	0	29.4	0	-29.8	-28.7	-29.2	0	0	-29.8	-28.7	-29.3	0	0	29.3	-29.8	-29.8	0	28.9
STANDBY	0.2	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0

Ref No.	IC563																			
MODE	21	22	23																	
CD PLAY	0	0	0																	
STANDBY	0	0	-0.3																	

Ref No.	IC564																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.7	0	0	29.4	0	-29.8	-28.7	-29.2	0	0	-29.8	-28.7	-29.3	0	0	29.3	-29.8	-29.8	0	28.9
STANDBY	0.2	0	0	0	0	0	0.3	0	0	0	0	0	0	0	0	0	0	0	0	0

Ref No.	IC564																			
MODE	21	22	23																	
CD PLAY	0	0	-0.1																	
STANDBY	0	0	-0.2																	

Ref No.	IC5400																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	5.6	2.6	2.8	2.6	2.7	0	5.5	2.1	2.6	2.8	5	2.1	5.6						
STANDBY	0	0.7	0.2	0	0.1	0	0	0.2	0.1	0.1	0.1	0.1	0.1	0.3						

Ref No.	IC5401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	2.7	2.8	2.7	0	2.8	0	0	1.8	1.8	1.7	1.7	5.4	0	5.7						
STANDBY	0.1	0.1	0.1	0	0.1	0	0	0.2	0.2	0.2	0.2	0.2	0.2	0.4						

Ref No.	Q591				Q592				Q5001				Q5002				Q5003			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	4.9	0		0	4.9	0		5.8	0	5.8		0	-0.1	0		0	0	4.1	
STANDBY	0	4.8	0		0	4.8	0		0.1	-0.2	0.1		0	-0.2	0		0	-0.2	0	

Ref No.	Q5004				Q5005				Q5006				Q5007				Q5400			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	4.1		5.8	29.3	6.3		0	5.7	0		0	29.3	0		2.8	0	5.6	
STANDBY	0	-0.2	0		0	0	0		0	0.1	0		0	0	0		0	4.5	0.1	

Ref No.	Q5401				Q5500				Q5501				Q5502				Q5503			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	2.8	2.6	2.8		0	10.3	0		10.3	0	10.3		0	0	0.3		0	4.9	0	
STANDBY	0	-4.5	0.1		0	0.1	0		0.1	0	0.1		0	0	0		0	0.5	0	

DSP P.C.B

Ref No.	IC1001																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	2.5	0	0.9	0	2.5	0.3	0.4	2.5	2.5	2.5	2.5	2.5	0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
STANDBY	0	0	0	0	0	0.1	0.1	0	0	0	0	0	0	0	0	0	0	0.1	0	0

Ref No.	IC1001																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	2.5	0.9	0	2.5	1.2	1.3	0.9	1.2	1.2	1.2	0	2.5	1.2	2.5	0	2.5	2.5	2.5	2	2
STANDBY	0	0.1	0	0	0.1	0	0.1	0.1	0.1	0.1	0	-0.3	0	0	0	0.1	0	0	0.1	0.1

Ref No.	IC1001																			
MODE	41	42	43	44																
CD PLAY	2.2	1.3	1.2	1.2																
STANDBY	0.1	0.1	0.1	0.1																

Ref No.	IC1003																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	1.2	1.2	1.3	0	1.2	1.2	1.2	2.5												
STANDBY	0.1	0.1	0.1	0	0.2	0.1	0.1	0												

Ref No.	IC1004																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	0.6	0.3	0	0.7	0.4	0	2.5	4.7	0	2.5	4.7	0	2.5						
STANDBY	0	2.1	2.1	0	2.1	2.1	0	0	0	0	0	0	0	0						

Ref No.	IC1005																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14						
CD PLAY	0	1.1	5	0	0	0	0	5	2.5	0	5	2.5	0	0						
STANDBY	0	0	0.1	0	0	0.1	0	0.1	0	0	0.1	0	0	0						

Ref No.	IC1101																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0.9	1.2	1.2	5	0	5	0.7	0.1	0.7	3.6	5	4.7	2.8	2.8	2.8	2.8	2.8	4.8	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0

Ref No.	IC1101																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5	0	0
STANDBY	0	0	0	0	0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0	0	0

Ref No.	IC1101																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	5.1	2.5	0	0	0	1.1	0	0	2.5	0	5	0	2.5	0.9	1.2	0.9	0	0	1.2	1.2
STANDBY	0	0	0	0	0	0	0	0	0.1	0	0	0	0	0	0.1	0	0	0	0	0.1

Ref No.	IC1101																			
MODE	61	62	63	64																
CD PLAY	0	0	0	0																
STANDBY	0.1	0	0.1	0.1																

Ref No.	IC1201																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.7	2.8	2.8	-7.6	2.8	2.8	2.8	7.3												
STANDBY	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.6												

Ref No.	IC1202																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.7	2.8	2.8	-7.6	2.8	2.8	2.8	7.3												
STANDBY	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.6												

Ref No.	IC1203																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	2.7	2.8	2.8	-7.6	2.8	2.8	2.8	7.3												
STANDBY	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.6												

Ref No.	IC1701																			
MODE	1	2	3																	
CD PLAY	5	-	2.5																	
STANDBY	0	-	0																	

Ref No.	Q1001				Q1701				Q1702				Q1703							
MODE	E	C	B		E	C	B		E	C	B		E	C	B					
CD PLAY	2.5	2.5	2.5		6.7	6.3	5.6		5.6	6.3	5		5.6	6.3	5.6					
STANDBY	0	0	0		0.1	0.6	0.6		0.1	0.6	0		0	0	0.1					

MAIN P.C.B

Ref No.	IC150																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	-7.7	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0.4	0	0.1	0	0	0	0	0	0
Ref No.																				
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	0	0	0	0	5	7.5	0	0	0	0	-7.6	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0.5	0.6	0	0	0	0.1	0.1	0.1	0.1	0	0	0	0	0.1	0.1
Ref No.																				
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56				
CD PLAY	0	0	0	0	0	0	0	0	0	0	0	0	0	-0.3	-0.3	-0.4				
STANDBY	0.1	0.1	0	0	0	0	0.1	0.1	0.1	0.1	0	0	0.5	0.5	0.5	0.5				
Ref No.	IC151																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.7	0	0	0	7.5												
STANDBY	0.1	0.1	0	0.5	0.1	0.1	0.1	0.6												
Ref No.	IC152																			
MODE	1	2																		
CD PLAY	9	10.3																		
STANDBY	0	0.6																		
Ref No.	IC200																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-0.2	0	-	-7.7	0	0	0	7.5												
STANDBY	0	0	0	0.4	0	0	0	0.6												
Ref No.	IC201																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.7	0	0	0	7.5												
STANDBY	0.1	0.1	0.5	0	0	0.1	0.1	0.6												
Ref No.	IC202																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.7	0	0	0	7.5												
STANDBY	0	0	0.1	0.4	0.1	0	0	0.6												
Ref No.	IC204																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.7	0	0	0	7.5												
STANDBY	0.1	0.1	0.5	0	0	0.1	0.1	0.6												
Ref No.	IC205																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-0.1	0	0	-7.7	0	0	0	7.5												
STANDBY	0	0	0.1	0.4	0	0	0.1	0.6												
Ref No.	IC207																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0	0	0	-7.7	0	0	0	7.5												
STANDBY	0.2	0.1	0	0.5	0	0.1	0.1	0.5												
Ref No.	IC208																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	0.2	0.2	0.2	-7.7	0.2	0.2	0.2	7.5												
STANDBY	0.1	0.1	0.4	0	0	0.1	0.1	0.6												
Ref No.	IC301																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	5	5	0	0	0	0	0	0	0	0	4.7	2.7	0	2.3	4.7	4.7	0	4.9	3.4
STANDBY	0	0	0	0	0	0	0	0	0	0	0	4.8	2.4	0	2.2	4.7	4.8	0	4.7	4.7
Ref No.	IC301																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	0	5	0	4.7	4.9	0	0	0	4.9	4.9	0	5	0	4.7	4.7	0	0	0	0	0
STANDBY	3.4	0	0	0	0	0	0	0	4.7	4.7	0	0	0	0	0	0	0	0	0	0
Ref No.	IC301																			
MODE	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
CD PLAY	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
STANDBY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Ref No.	IC301																			
MODE	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
CD PLAY	0	0	0	0	0	0	0	0	4.7	4.7	4.9	0	4.9	5	5.1	0	4.7	0	0	0
STANDBY	0	4.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4.7
Ref No.	IC301																			
MODE	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
CD PLAY	4.9	4.9	0	0	0	0	0	0	0	0	4.7	4.6	4.9	4.9	4.9	0	2.4	4.7	4.9	5
STANDBY	4.7	4.7	0	0	0	0	0	0	0	0	0	0	0	4.7	1.1	0	2.4	4.8	4.7	0
Ref No.	IC302																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	4.9	4.9	0	5.5	5.5	5.5	0	0												
STANDBY	5.5	5.5	0	0	4.8	4.8	0	5.5												
Ref No.	Q200				Q201				Q202				Q203				Q204			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	5.5	-7.3	-4.7		5.6	5.5	0		0	0	0		0	0	4.6		0.2	0	-7.3	
STANDBY	5.6	5.5	0		5.6	5.6	0		0	0	0		0	0	4.7		0	0	0.7	
Ref No.	Q205				Q206				Q207				Q208				Q209			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0.2	0	-7.3		0	0	-7.3		0	0	-7.3		5.6	-7.3	5.6		0	5.5	0	
STANDBY	0	0	0.7		0	0	0.7		0	0	0.7		5.6	0.4	5.5		0	5.6	0	
Ref No.	Q211				Q212				Q213				Q301				Q302			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	0	0	0.7		0	0	0.7		0	0	-7.3		0	4.7	0		4.9	3.4	4	
STANDBY	0	0	0.7		0	0	0.7		0	0	0.3		0	4.7	0		4..8	3.4	3.9	
Ref No.	Q303																			
MODE	E	C	B																	
CD PLAY	0	4.9	-3.4																	
STANDBY	0	1.2	0.5																	

PANEL P.C.B

Ref No.	IC401																			
MODE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
CD PLAY	0	0	0	0	3.9	0	3.8	3.4	3.7	1.6	1.6	0	5.6	-24.3	-21.3	-18.8	-24.3	-25.8	-24.3	-26.4
STANDBY	0.4	0.4	0.4	0.4	0	0	0	0	0	0.2	0.2	0	0.4	-18.6	-18.5	-18.5	-18.6	-18.6	-18.7	-18.6

Ref No.	IC401																			
MODE	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
CD PLAY	-26.5	-26.5	-26.5	-26.5	-26.5	-24.6	-26.5	-27	-26.5	-28.3	-26.9	-24.5	-24.5	-24.5	-23.9	-23.9	-23.9	-24.5	-23.9	-24.6
STANDBY	-18.5	-18.5	-18.5	-18.5	-18.6	-18.6	-18.7	-18.7	-18.8	-18.8	-18.8	-18.7	-18.7	-18.8	-18.7	-18.7	-18.8	-18.8	-18.8	-18.7

Ref No.	IC401																			
MODE	41	42	43	44																
CD PLAY	-24.6	-24.6	5	0																
STANDBY	-18.7	-18.8	0.5	0																

Ref No.	Q402				Q403				Q404											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	0	4.9	0		-26.9	2.6	-24.5		5	-24.1	2.6									
STANDBY	0	4.8	0		-18.4	0.5	-18.3		0.5	-18.1	0.5									

POWER P.C.B

Ref No.	IC701																			
MODE	1	2	3	4	5															
CD PLAY	-41.5	-40.6	-70	-32.7	-40.5															
STANDBY	-0.1	-0.1	0.1	0	-0.1															

Ref No.	IC721																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-38	-41.4	-40.4	-36.8	60	-	-41.9	-41.9												
STANDBY	-1.4	0	-1.3	-1.2	-1..3	-	-1.3	-1.2												

Ref No.	IC800																			
MODE	1	2	3	4	5															
CD PLAY	28.2	0	0	28.2	0.2															
STANDBY	7.7	0	0	7.7	0															

Ref No.	IC801																			
MODE	1	2	3																	
CD PLAY	24.5	0	2.3																	
STANDBY	7.7	0	0.1																	

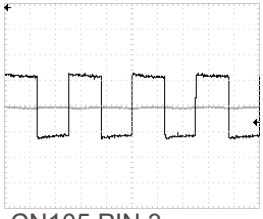
Ref No.	IC802.																			
MODE	1	2																		
CD PLAY	5	5.5																		
STANDBY	0.5	0.5																		

Ref No.	IC850																			
MODE	1	2	3																	
CD PLAY	22.1	0.2	2.7																	
STANDBY	0	0	0																	

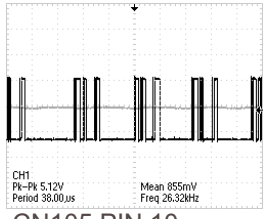
Ref No.	IC880																			
MODE	1	2	3	4	5	6	7	8												
CD PLAY	-29.8	-29.8	-29.8	-29.8	-14.8	-16	0	0												
STANDBY	0	0	0	0	0	0	0	0												

Ref No.	Q701				Q723				Q800				Q802				Q803			
MODE	E	C	B		E	C	B		E	C	B		E	C	B		E	C	B	
CD PLAY	-37.9	-37.1	-37.9		0	0	0.7		26.5	0.2	26		-7.7	-10.4	-8.3		7.5	10.3	8.2	
STANDBY	0	0	0		0	5.6	0		7.7	0	7.7		0.1	0.1	0.4		0.6	0.1	0.1	

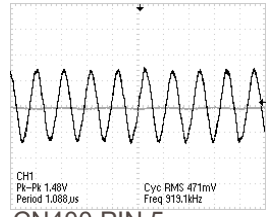
Ref No.	Q804				Q880				Q881											
MODE	E	C	B		E	C	B		E	C	B									
CD PLAY	7.5	10.4	8.1		-28.5	21.7	-29.8		23.2	22.2	21.7									
STANDBY	0.6	0.6	0.6		0	3	0		0	0	3.1									



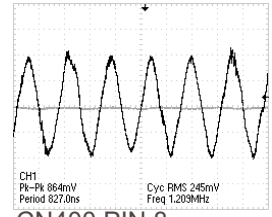
CN105 PIN 3
CD PLAY
5.52Vp-p (5usec.div)



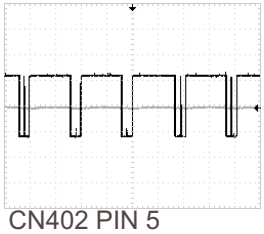
CN105 PIN 10
CD PLAY
5.12Vp-p (500usec.div)



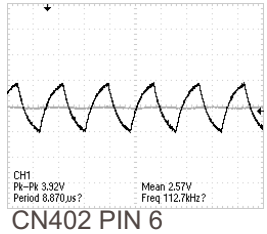
CN400 PIN 5
CD PLAY
1.48Vp-p (1usec.div)



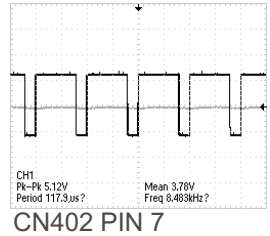
CN400 PIN 8
CD PLAY
864mVp-p (500nsec.div)



CN402 PIN 5
CD PLAY
5.12Vp-p (10msec.div)



CN402 PIN 6
CD PLAY
3.92Vp-p (5usec.div)



CN402 PIN 7
CD PLAY
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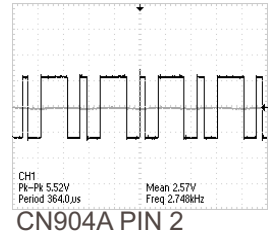

CN904A PIN 2
CD PLAY
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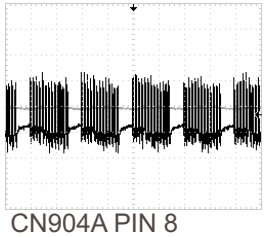

CN904A PIN 8
CD PLAY
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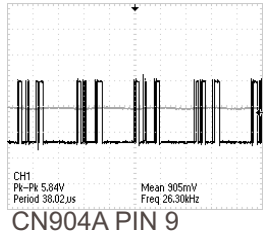

CN904A PIN 9
CD PLAY
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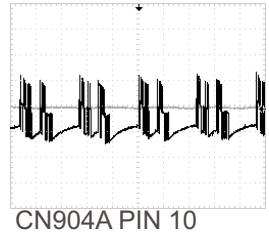
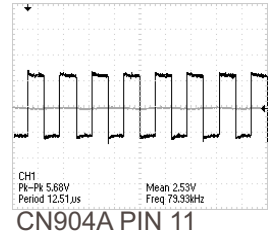
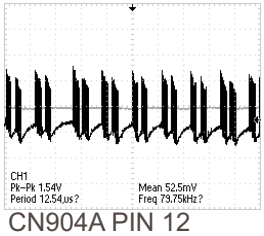


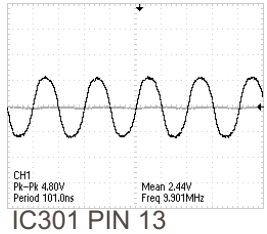
CN904A PIN 10
CD PLAY
2.8Vp-p (500usec.div)



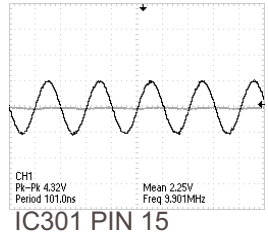
CN904A PIN 11
CD PLAY
5.68Vp-p (10usec.div)



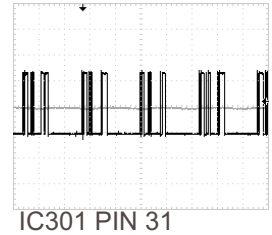
CN904A PIN 12
CD PLAY
1.54Vp-p (1msec.div)



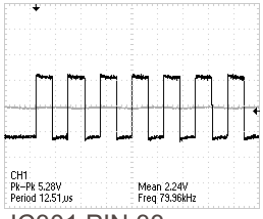
IC301 PIN 13
CD PLAY
4.8Vp-p (50nsec.div)



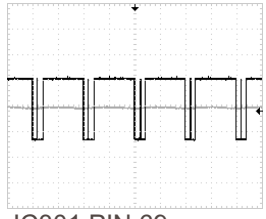
IC301 PIN 15
CD PLAY
4.32Vp-p (50nsec.div)



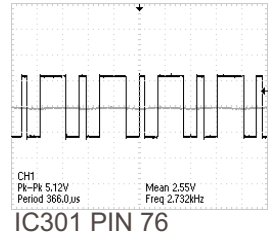
IC301 PIN 31
CD PLAY
5.36Vp-p (500usec.div)



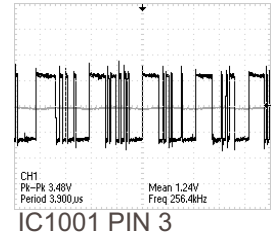
IC301 PIN 33
CD PLAY
5.28Vp-p (10usec.div)



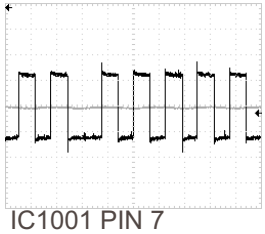
IC301 PIN 69
CD PLAY
5.04Vp-p (10msec.div)



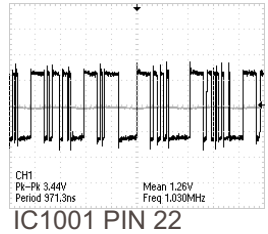
IC301 PIN 76
CD PLAY
5.12Vp-p (500usec.div)



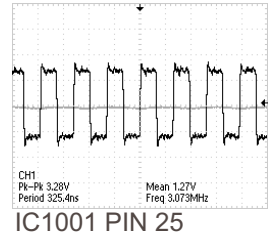
IC1001 PIN 3
CD PLAY
3.48Vp-p (5usec.div)



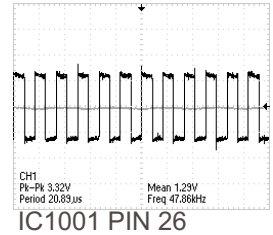
IC1001 PIN 7
CD PLAY
3.52Vp-p (10usec.div)



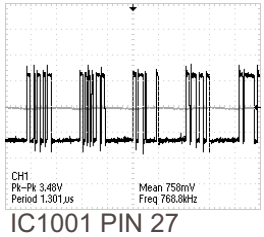
IC1001 PIN 22
CD PLAY
3.44Vp-p (5usec.div)



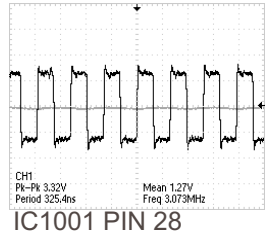
IC1001 PIN 25
CD PLAY
3.28Vp-p (250nsec.div)



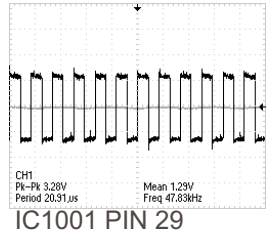
IC1001 PIN 26
CD PLAY
3.32Vp-p (25usec.div)



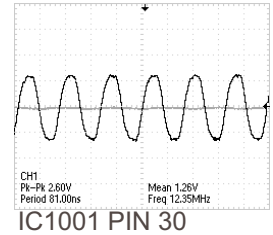
IC1001 PIN 27
CD PLAY
3.48Vp-p (5usec.div)



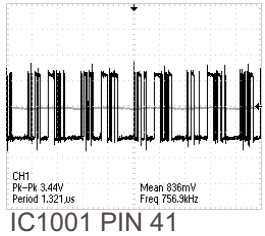
IC1001 PIN 28
CD PLAY
3.32Vp-p (250nsec.div)



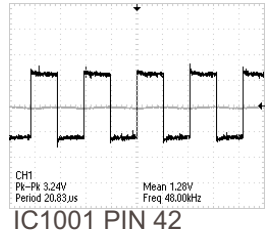
IC1001 PIN 29
CD PLAY
3.28Vp-p (25usec.div)



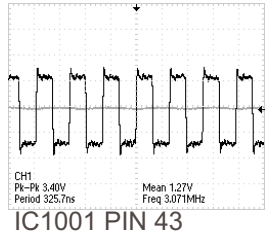
IC1001 PIN 30
CD PLAY
2.6Vp-p (50nsec.div)



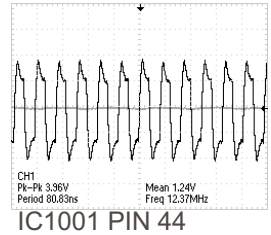
IC1001 PIN 41
CD PLAY
3.44Vp-p (10usec.div)



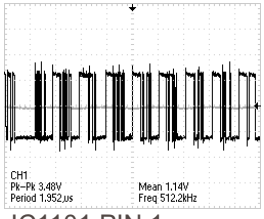
IC1001 PIN 42
CD PLAY
3.24Vp-p (10usec.div)



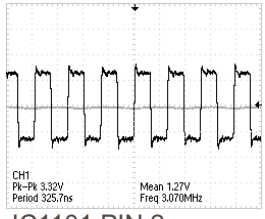
IC1001 PIN 43
CD PLAY
3.4Vp-p (250nsec.div)



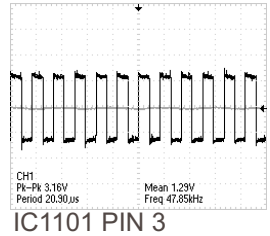
IC1001 PIN 44
CD PLAY
3.96Vp-p (100nsec.div)



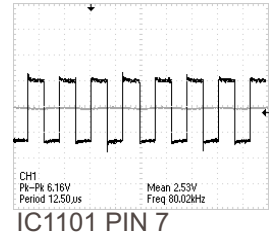
IC1101 PIN 1
CD PLAY
3.48Vp-p (10usec.div)



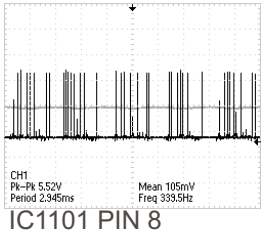
IC1101 PIN 2
CD PLAY
3.32Vp-p (250nsec.div)



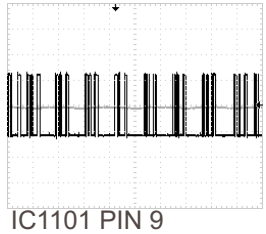
IC1101 PIN 3
CD PLAY
3.16Vp-p (25usec.div)



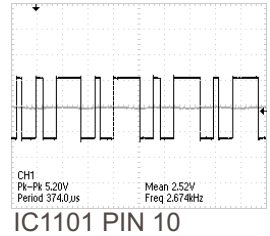
IC1101 PIN 7
CD PLAY
6.16Vp-p (10usec.div)



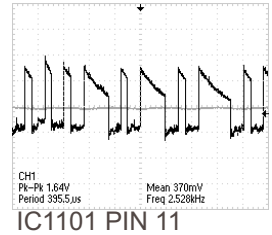
IC1101 PIN 8
CD PLAY
5.52Vp-p (10msec.div)



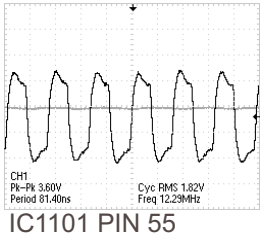
IC1101 PIN 9
CD PLAY
5.2Vp-p (1msec.div)



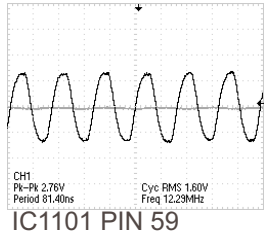
IC1101 PIN 10
CD PLAY
5.2Vp-p (500usec.div)



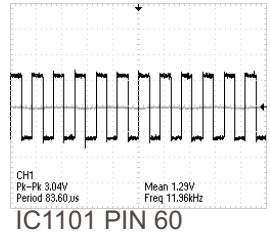
IC1101 PIN 11
CD PLAY
1.64Vp-p (500usec.div)



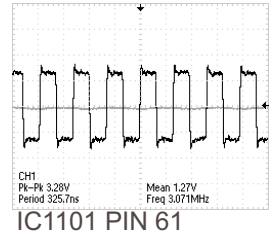
IC1101 PIN 55
CD PLAY
3.6Vp-p (50nsec.div)



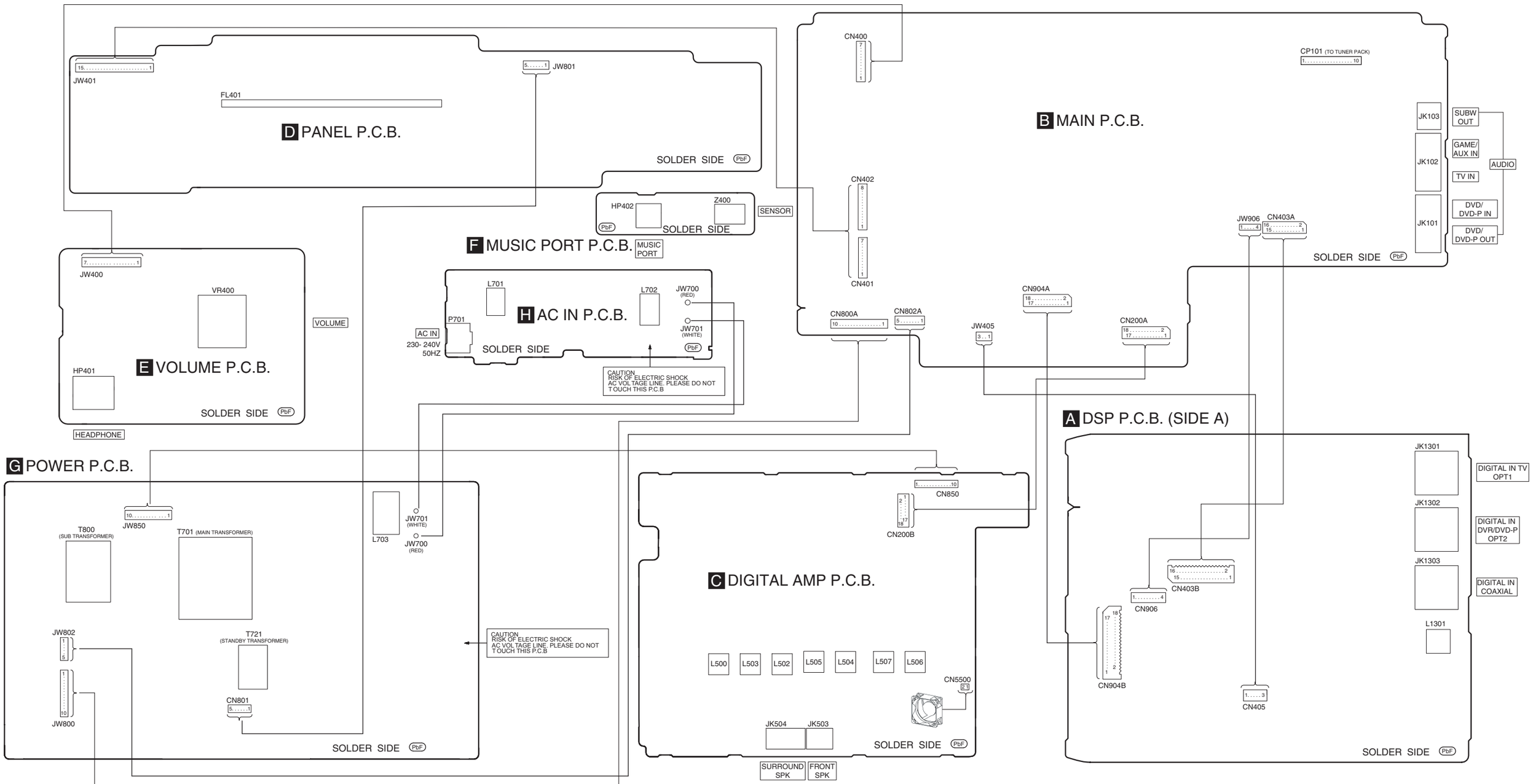
IC1101 PIN 59
CD PLAY
2.76Vp-p (50nsec.div)



IC1101 PIN 60
CD PLAY
3.04Vp-p (100usec.div)



IC1101 PIN 61
CD PLAY
3.28Vp-p (250nsec.div)


D PANEL P.C.B.
JW401
FL401
JW801
SOLDER SIDE
PbF
B MAIN P.C.B.
CN400
CP101 (TO TUNER PACK)
JK103
SUBW OUT
GAME/ AUX IN
JK102
TV IN
AUDIO
JK101
DVD/ DVD-P IN
DVD/ DVD-P OUT
SOLDER SIDE
HP402
Z400
SENSOR
F MUSIC PORT P.C.B.
MUSIC PORT
CN402
CN401
JW906
CN403A
JW400
VR400
VOLUME
E VOLUME P.C.B.
HP401
HEADPHONE
L701
L702
JW700 (RED)
JW701 (WHITE)
H AC IN P.C.B.
P701
AC IN 230- 240V 50HZ
CAUTION RISK OF ELECTRIC SHOCK AC VOLTAGE LINE. PLEASE DO NOT TOUCH THIS P.C.B
CN904A
CN800A
CN802A
JW405
CN200A
A DSP P.C.B. (SIDE A)
JK1301
DIGITAL IN TV OPT1
JK1302
DIGITAL IN DVR/DVD-P OPT2
JK1303
DIGITAL IN COAXIAL
L1301
CN403B
CN906
CN904B
CN405
G POWER P.C.B.
JW850
T800 (SUB TRANSFORMER)
T701 (MAIN TRANSFORMER)
L703
JW802
T721 (STANDBY TRANSFORMER)
JW800
CN801
CAUTION RISK OF ELECTRIC SHOCK AC VOLTAGE LINE. PLEASE DO NOT TOUCH THIS P.C.B
C DIGITAL AMP P.C.B.
CN850
CN200B
L500
L503
L502
L505
L504
L507
L506
CN5500
JK504
JK503
SURROUND SPK
FRONT SPK

DIGITAL IN

JK1301 DIGITAL IN TV (OPTICAL 1)

JK1302 DIGITAL IN DVR (OPTICAL 2)

JK1303 COAXIAL IN DVD

IC1101 C0FBZK000009 CODEC IC

IC1201 C0ABBB000297 OP-AMP

IC1202 C0ABBB000297 OP-AMP

IC1203 C0ABBB000297 OP-AMP

IC1003 C0JBAB000633 LOGIC INVERTER

X1001

IC1004 C0JBAZ002160 LOGIC

IC1005 C0JBAZ002161 LOGIC

IC1001 C2HBZZ000015 AC3/DTS

PARALLELOR SERIAL HOST INTERFACE

COMPRESSED DATAINPUT INTERFACE SPDIF RECEIVER

FRAMER SHIFTER

INPUT BUFFER CONTROLLER

RAM INPUT BUFFER

DIGITAL AUDIO INPUT INTERFACE

24-bit DSPPROCESSING

RAM PROGRAM MEMORY

RAM DATA MEMORY

ROM PROGRAM MEMORY

RAM DATA MEMORY

STC

RAM OUTPUT BUFFER

OUTPUTFORMATTER

PLLCLOCK MANAGER

Q1001 SWITCH

Q1702 SWITCH

Q1703 SWITCH

Q1701 REGULATOR

IC1701 C0CBAAG00004 REGULATOR

IC152 C0CBAHG00011 IC REGULATOR

TO TUNER PACK

IC205 C0ABBB000297 OMP AMP

Q213 SWITCH

Q208 MUTING SWITCH

Q209 MUTING SWITCH

Q5503 SWITCH

Q5502 SWITCH

Q5501 SWITCH

Q5500 SWITCH

Q401 SWITCH

IC302 C3EBEC000044 EEPROM IC (NOTSUPPLIED)

IC301 C2CBYY000152 MICROPROCESSOR

Q5400 OSCIALLTING SWITCH

Q5401 OSCIALLTING SWITCH

X5400

X5401

IC5400 C0JBAB000011 IC LOGIC

IC5401 C0JBAB000654 IC LOGIC

Q5006 SWITCH

Q5001 SWITCH

Q5002 SWITCH MODE 1

Q5003 SWITCH MODE 2

Q5004 SWITCH MODE 3

Q201 MUTING SWITCH

Q202 MUTING SWITCH

Q203 MUTING SWITCH

Q5005 REGULATOR

CF301

Z400 REMOTE SENSOR

VR400 JOG VOL

IC151
C0ABBB000297
DSP

IC150
C1BB00001134
VOLUME ENCODER IC

IC207
C0ABBB000297
OMP AMP

IC140
C1BB00000715
RDS IC

IC553
C1BA0000407
POWER IC

IC554
C1BA0000407
POWER IC

IC203
C0ABBB000297
OMP AMP

IC202
C0ABBB000297
OMP AMP

IC200
C0ABBB000297
OMP AMP

IC208
C0ABBB000297
OMP AMP

IC552
C1BA0000407
POWER IC

IC551
C1BA0000407
POWER IC

IC850
C0DAEMB00003
IC POWER SUPPLY

IC880
C0ABBB000297
OP-AMP

IC701
C5HABZZ00125
IC POWER SUPPLY

IC721
MIP2C10MSSCF
IC POWER SUPPLY

IC800
C0DAYY00026
IC POWER SUPPLY

IC801
C0DAENB00003
IC POWER SUPPLY

IC802
C0CBAEG00007
VOLTAGE REGULATOR

IC401
C0HBB0000061
FL DRIVER

IC301
C2CBYY000152
MICROPROCESSOR

IC301
C2CBYY000152
MICROPROCESSOR

L8501
L8500
L8502
L8503

FL401
FLDISPLAY

HP401
HEADPHONE

SPEAKER
JK504
JK503
JK503

T701
T800
T721

TRANSFORMER
TRANSFORMER
TRANSFORMER

TH701
D701
D715

PC701
PC721

Q301
Q5007
Q302
Q303
Q200
Q204,Q205
Q206,Q207
Q214,Q215
Q211,Q212
Q216
Q404
Q403
Q880
Q881
Q882
Q850
Q592
Q591
Q804
Q803
Q802
Q800
Q701
Q723

SWITCH
MUTING SWITCH
MUTING CONTROL
DC DET SWITCH
DC DETECT SWITCH
REGULATOR -25V
REGULATOR +7.5V
REGULATOR -7.5V
REGULATOR
FL DRIVE
PCONT SWITCH

RLY721

L703
L702
L701
AC INLET

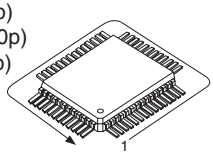
L+
R+
R-
L-
MUSIC_L(R)
RDS_CLK
RDS_DT
DET
OSC
MODE 1
FL-
FL+
FR-
FR+
MUSIC PORT
RCH
TUNER_9V
+5V
+7.5V
DC_DET
COUT
SWOUT
SLOUT(R)
LOUT(R)
AF_LOUT
AF_ROUT
MUSIC_PORT
L_AUX(R)
DVDD
OSC
MODE 2
SIGNAL
C
SL+
SR+
DC_DET
PCONT
FR-
FR+
FL-
FL+
C
SL+(R+)
LCH
LCH
+B
−B
FROM POWER CIRCUIT
SEG1~23
SEG10~33
GRID0~32
GRID11~41
DD0
CLK
CS
DD1
FRONT_MUSIC_SW
RESET
AC_SYNC
DC_DET
BEAT_PROOF
HP_SW
HP_MUTE
FL_D0
FL_CLK
FL_CS
FL_D1
KEY1
KEY2
POWER_SAVE
S406~S408
KEYSW1
S403~S405
KEYSW2
S401
POWER SW

SIGNAL LINES

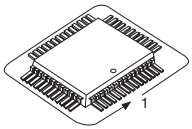
: MAIN SIGNAL LINE

( ) Indicates the Pin Noof Right Channel. NOTE: Signal Lines are applicable to the Left Channel.only

C1BB00001134 (56p)
C0HBB0000061 (44p)
C2CBYY000152 (100p)
C0FBZK000013 (64p)



C2HBZZ000015 (44p)



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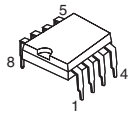

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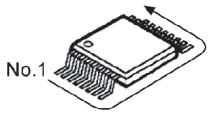
C0JBAZ002161 (14p)



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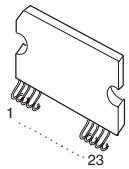

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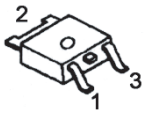

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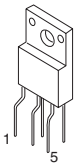

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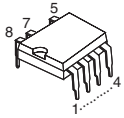

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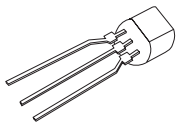

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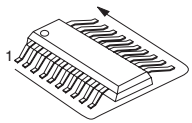

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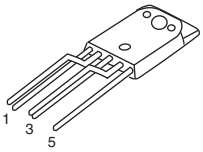

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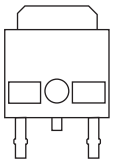

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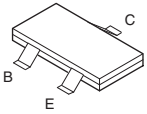

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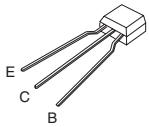

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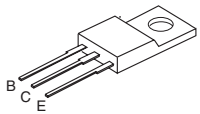

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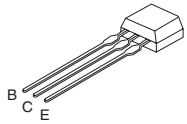

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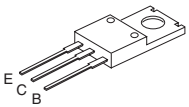

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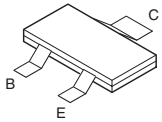

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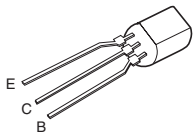

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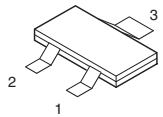

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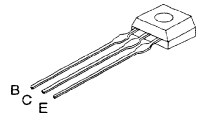

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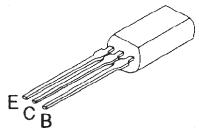

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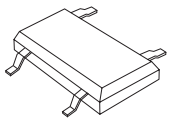

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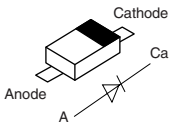

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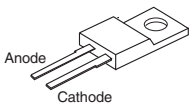

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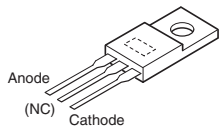

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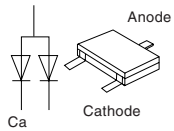

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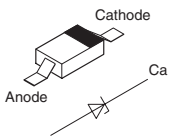

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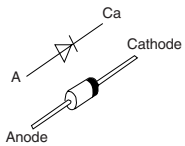

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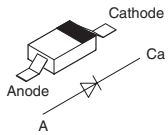

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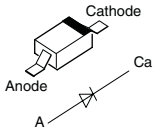

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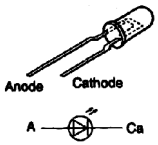

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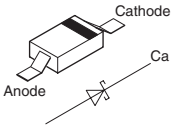

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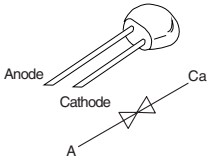

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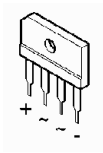


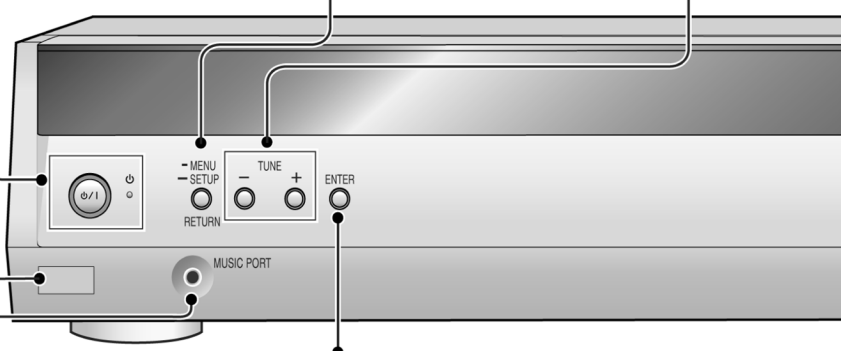
Main unit

Standby indicator [⏻]
When the unit is connected to the AC mains supply, this indicator lights up in standby mode and goes out when the unit is turned on.

Standby/on switch [⏻/I]
Press to switch the unit from on to standby mode or vice versa. In standby mode, the unit is still consuming a small amount of power.

[-MENU, –SETUP, RETURN]
- For entering menus to make various settings.
- For returning to previous menus.

[TUNE, −, +]
For tuning the radio and selecting menu or setup items.



Remote control signal sensor

[MUSIC PORT]
- You can playback sound from portable audio equipment.
- Reduce the volume to minimum before connecting and disconnecting the equipment.
- Use an audio cord for connection.

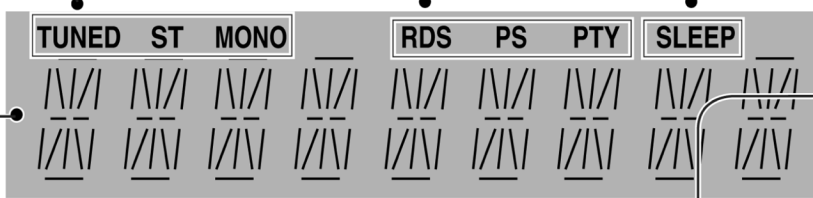
[ENTER]
Used during menu or setup operations.

Display

[TUNED, ST, MONO]
Radio indicators
TUNED: A station is tuned
ST: A stereo FM broadcast is tuned
MONO: You have switched to monaural mode to improve reception

[RDS, PS, PTY]
Shows the current RDS display mode.

[SLEEP]
Sleep timer indicator.



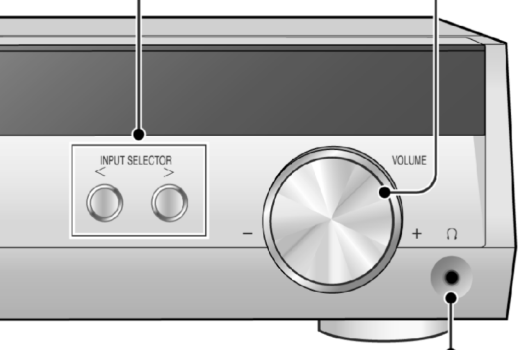
General display
Shows the input mode, radio frequency and other general information.

[kHz, MHz]
Frequency unit indicators
kHz: AM, or PCM sampling frequency
MHz: FM

[M]
Flashes or lights during presetting.

[INPUT SELECTOR, <, >]
For selecting input.

[VOLUME]
Volume control.

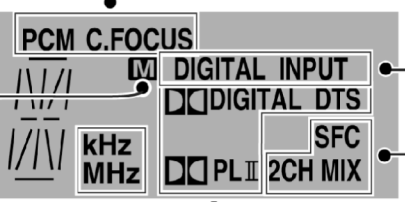


[∩]
Headphone jack
Plug type: 3.5 mm stereo

- Sound does not come from the speakers if you connect headphones.
- Avoid listening for prolonged periods of time to prevent hearing damage.

[PCM, C. FOCUS]
PCM: Lights when the PCM FIX mode is set
C.FOCUS: Appears when you are using Center Focus

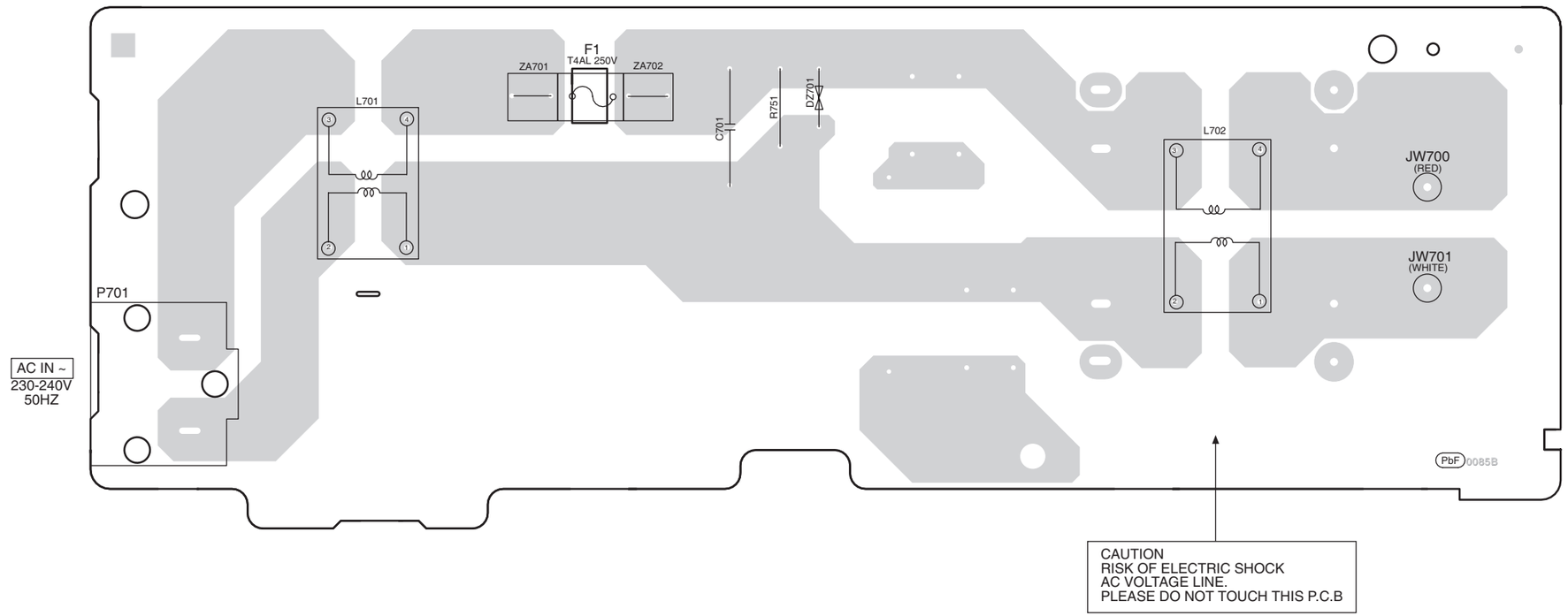
[DIGITAL INPUT]
Lights when input is digital.



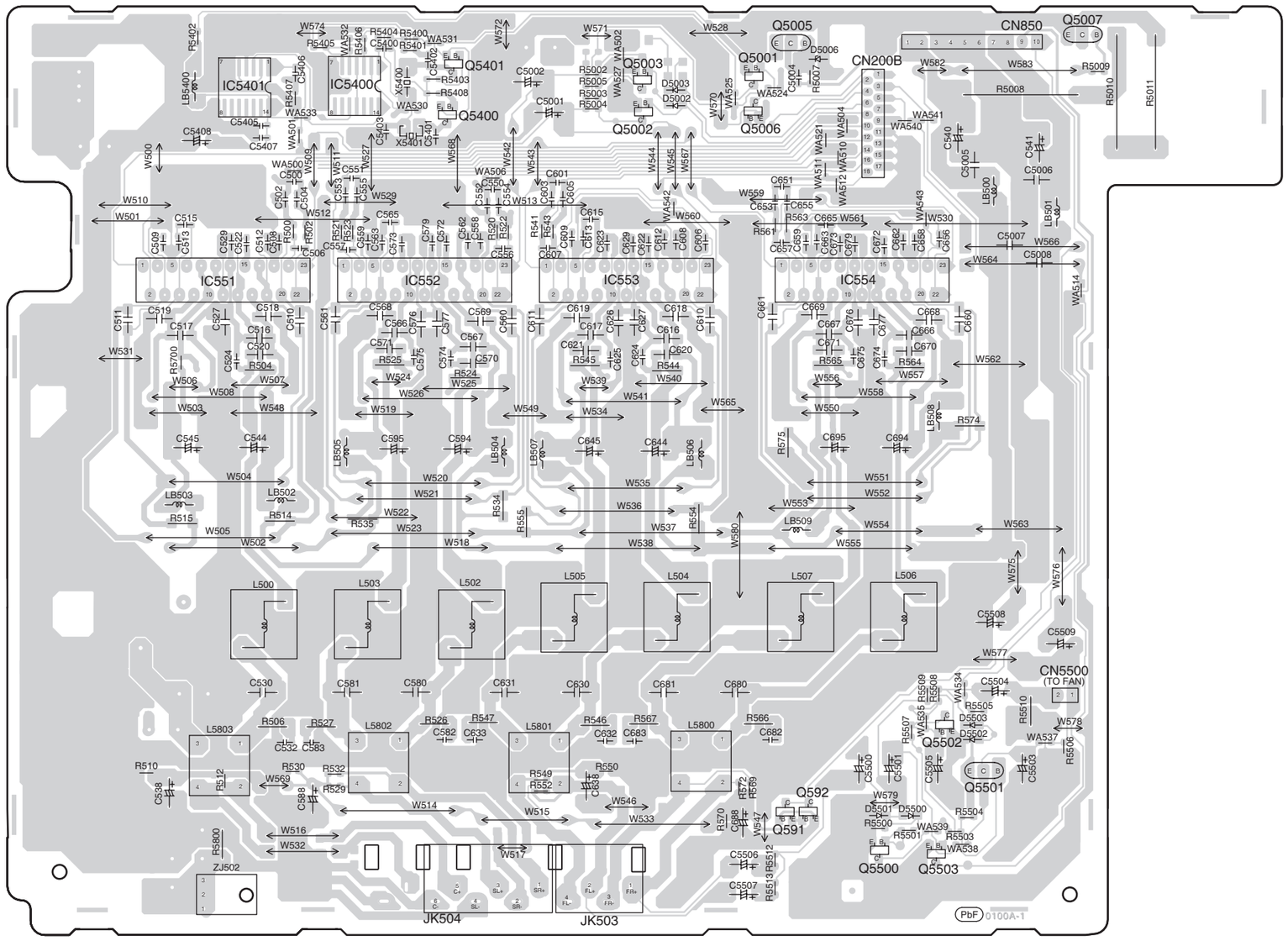
[DIGITAL, DTS, PL II]
Lights to indicate the source's input signal and decoding format used.
DIGITAL: Dolby Digital sources
DTS: DTS sources
PL II: Dolby Pro LogicII decoder is being used

[SFC, 2CH MIX]
SFC: Appears when you are using an SFC mode
2CH MIX: Appears when you are listening to a multi-channel source with headphones

H AC IN P.C.B (REPV0085B-P)

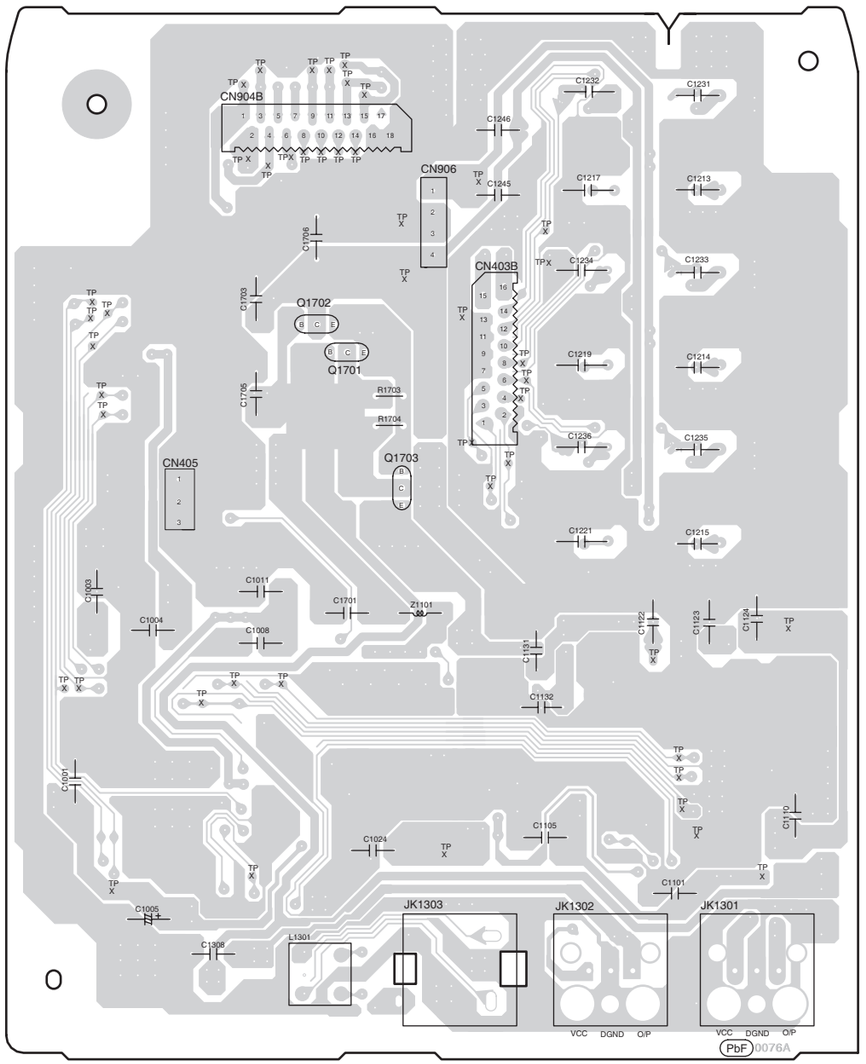


C DIGITAL AMP P.C.B (REPV0077B-T)



SPEAKERS

A DSP PCB (REPV0076A-T)

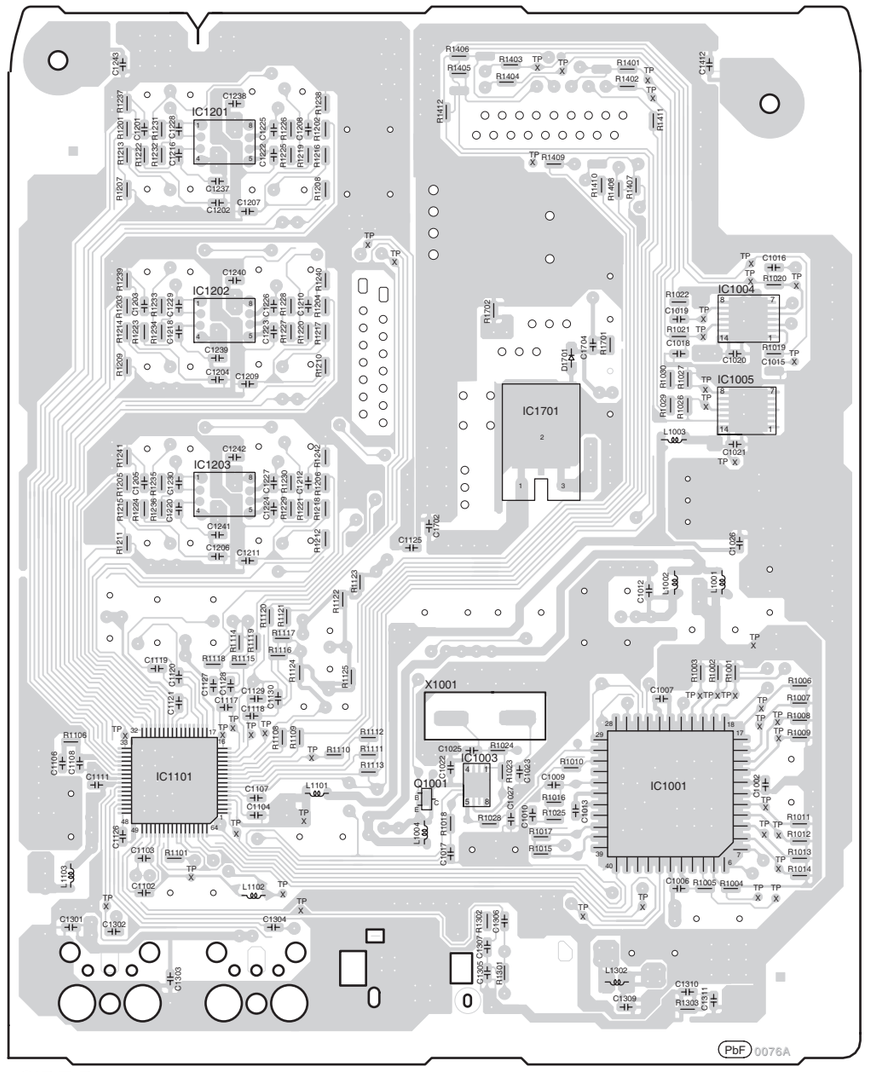


(SIDE A)

DIGITAL IN COAXIAL

DIGITAL IN DVR/DVD OPT2

DIGITAL IN TV OPT1



(SIDE B)

B MAIN P.C.B (REPV0078B-M)

AUDIO

- DVD/DVD-P OUT
- DVD/DVD-P IN
- TV IN
- GAME/AUX IN
- SUBW OUT

CP101 (TO TUNER PACK (ENG07812QF))

PbF 0078A-2